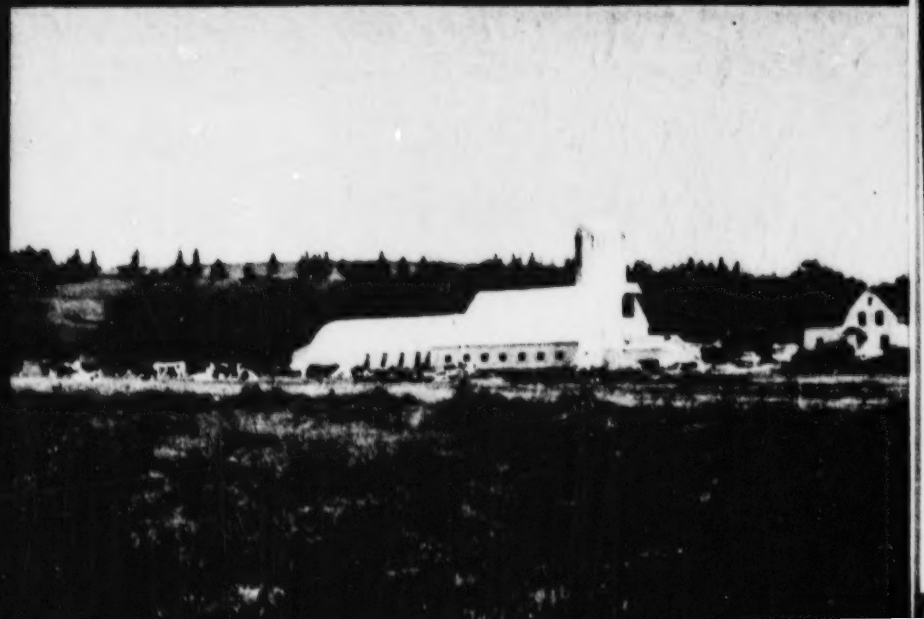
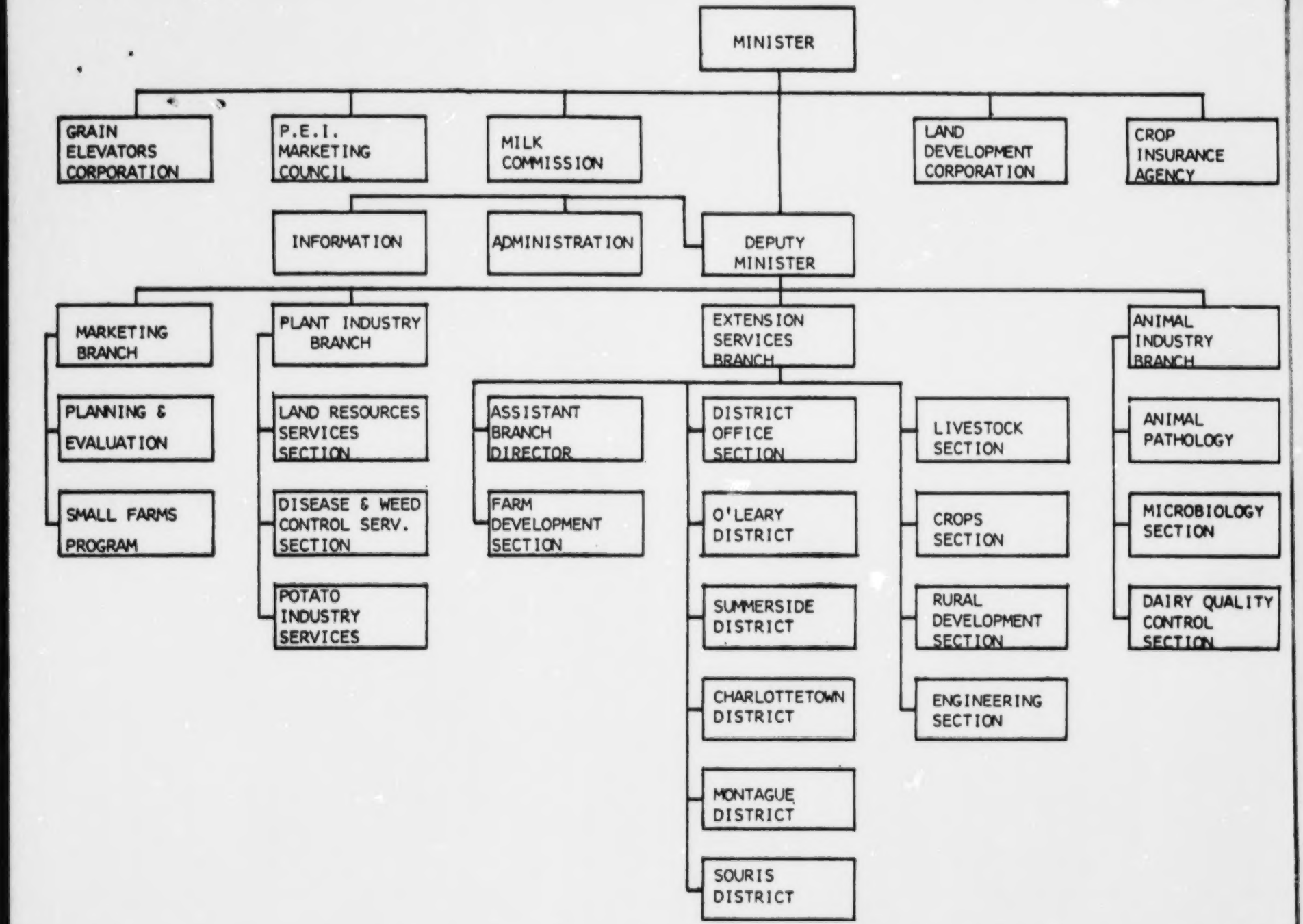
Prince Edward Island
Department of Agriculture and Forestry
1982 Annual Report




MINISTER
GRAIN ELEVATORS CORPORATION
P.E.I. MARKETING COUNCIL
MILK COMMISSION
LAND DEVELOPMENT CORPORATION
CROP INSURANCE AGENCY
INFORMATION
ADMINISTRATION
DEPUTY MINISTER
MARKETING BRANCH
PLANNING & EVALUATION
SMALL FARMS PROGRAM
PLANT INDUSTRY BRANCH
LAND RESOURCES SERVICES SECTION
DISEASE & WEED CONTROL SERV. SECTION
POTATO INDUSTRY SERVICES
EXTENSION SERVICES BRANCH
ASSISTANT BRANCH DIRECTOR
FARM DEVELOPMENT SECTION
DISTRICT OFFICE SECTION
O'LEARY DISTRICT
SUMMERSIDE DISTRICT
CHARLOTTETOWN DISTRICT
MONTAGUE DISTRICT
SOURIS DISTRICT
LIVESTOCK SECTION
CROPS SECTION
RURAL DEVELOPMENT SECTION
ENGINEERING SECTION
ANIMAL INDUSTRY BRANCH
ANIMAL PATHOLOGY
MICROBIOLOGY SECTION
DAIRY QUALITY CONTROL SECTION

Prince Edward Island
Department of Agriculture and Forestry
Annual Report

For the Fiscal Year Ending March 31, 1982
and Activities Report for the Year Ending
December 31, 1982

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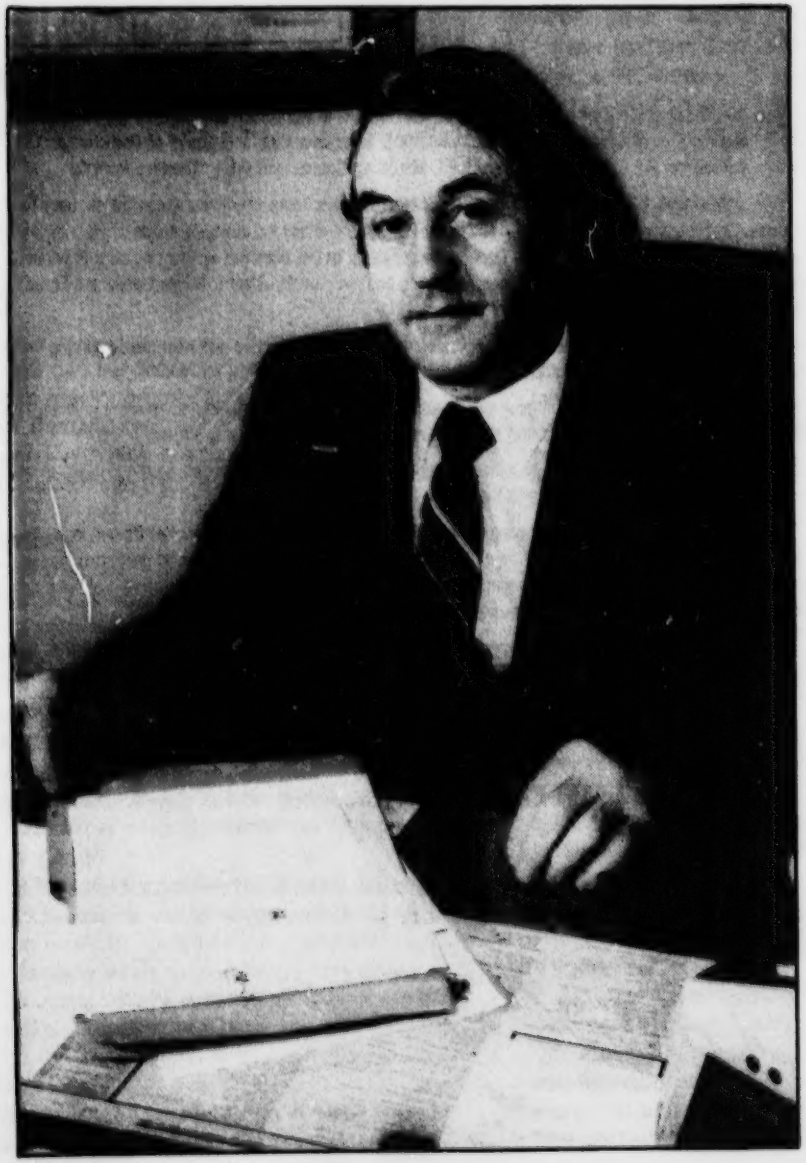


Department of Agriculture and Forestry
Charlottetown, 1982

TO THE HONOURABLE JOSEPH AUBIN DOIRON,
LIEUTENANT-GOVERNOR OF PRINCE EDWARD ISLAND

Sir:

I have the honour to submit herewith the Annual Report of the Department of Agriculture and Forestry, comprised of financial statements for the period April 1, 1981, to March 31, 1982, and activities for the calendar year, 1982.

I have the honour to be, Sir,

Your obedient servant,

Prowse Chappell
Minister of Agriculture
and Forestry

To The Honourable Prowse G. Chappell
Minister of Agriculture

Sir:

I am pleased to present the annual report of the Department of Agriculture and Forestry for the fiscal year 1981-82 and the activity report for the calendar year 1982. Included are the activities of all Branches and Sections as well as the P.E.I. Milk Commission, P.E.I. Marketing Council and P.E.I. Women's Institute.

The Department of Agriculture and Forestry was reorganized to more effectively streamline services to agriculture and forestry clients. Changes made in the Department reflect the changing needs of the agricultural community. After the re-organization, the Department consisted of five branches — Plant Industry Services, Animal Industry Services, Extension Services, Marketing and the Forestry Branch. Subsequently, the Forestry Branch was realigned with the Department of Energy.

A program directed to small and limited resource farmers was established and implemented during the year with the hiring of 11 part-time resource workers.

A five year forestry development plan was finalized and negotiated with federal government officials. The planning process towards the finalization of a five year agricultural strategy was started.

In marketing, a major initiative was the establishment of a trade official in Jordan, on a trial basis, to search and secure markets in North Africa and the Middle East.

Regulated guidelines for aerial spraying were drawn up by the Plant Industry Services Branch as many citizens were concerned about the non target drifting associated with aerial application of pesticides. These guidelines and information from the Department have alleviated this concern. The establishment of the potato industry section has received general approval by the potato industry.

The Artificial Breeding Program was privatized during the year with the P.E.I. Artificial Breeders Association taking full responsibility for the program. This was previously administered by the former Veterinary and Dairy Branch.

There have been many changes throughout the year in the departmental policies to benefit Island farmers. Six were revised, two new policies were instituted and one abolished.

Island potato producers participated in a plebiscite on the Institute of an Eastern Canada Potato Marketing Agency. Producers, by a small majority, were in agreement in the establishment of an agency as described in the sixth draft of the proposed plan.

I am sure the report will show clearly that the activities carried out by staff and the expenditure of funds have contributed greatly to the development of the agricultural and forestry industries in our province.

Respectfully submitted,

H. Lloyd Palmer
Deputy Minister

Agriculture In 1982

1982 can be characterized as being a difficult year in many commodities. Over supply and weak demand resulted in poor prices. This, coupled with high production costs, led to a tight financial situation for many farmers.

Potatoes

Potato acreage in 1982, as estimated by Statistics Canada, was 69,000 acres, up 5,000 acres from 1981. Yield was 250 cwt. per acre giving a total production of 17,250,000 cwt. Although production was quite high, cullage rate is expected to be high as well because of storage breakdown. Projected farm cash receipts from the sale of potatoes in 1982 is $58.1 million, down 26.6% from 1981.

Field Crops

Production of total field crops in 1982 was up 635,000 bushels over 1981 to a total of 10.5 million bushels. Yields for all grains were up substantially while total acreage was down 3,100 acres. World supplies on grains in 1982 was high, keeping the price moderately low.

Swine

The average price for hogs in 1982 was $83.14 per cwt., $13.63 per cwt. higher than 1981. Slaughter numbers were down for the second consecutive year, by 2% to 157,237.

Beef

Farm cash receipts from the sale of cattle in 1982 is projected at $16 million, down 5% from 1981. Slaughter numbers on the other hand were up by 26.6% for the total kill of 30,795 head.

Dairy

Milk production in 1982 was 108.5 million litres, up 8% from 1981 production. Fluid sales were down 7% while industrial sales, which represents 88% of total sales, was up 10.4%. Quota restrictions nationally placed our dairy farmers in an over quota position in 1982 putting financial pressure on many. Projected farm cash receipts for the sale of dairy products in 1982 is $29.2 million, up 9.8%.

Fruits

Strawberry production in 1982 was estimated at 1.7 million quarts representing approximately $1,150,000 in farm sales. 20% of the crop was sold for processing with the rest sold as fresh and u-pick.

Blueberry production was estimated at 1.5 million pounds in 1982, up significantly from 1981. The crop, which is a growing commodity, represented $750,000 in sales in 1982. About 95% of the crop is sold for processing.

Vegetables

Acreage for all vegetables in 1982 was in excess of 4,500 acres with about 75% of that being peas for processing. The value of other vegetables is estimated at near $1 million. There were 300 acres of cole crops planted in 1982. This part of the industry proves promising but production problems greatly affected the 1982 crop.

Poultry and Eggs

Poultry production in 1982 is estimated at 1.3 million pounds, up 73% over 1981. Egg production remained relatively stable since it is under the direction of CEMA and prices for eggs dropped.

Tobacco

Tobacco is a growing industry on P.E.I. In 1982 production was 7.4 million pounds, up 10.6% from 1981. The value of the crop as reported on sales day was $11.4 million in 1982, an increase of 20.8%.

Farm Income

Farm Cash Receipts for 1982 are projected at $164.3 million, down 12% from 1981. Farm operating expenses and depreciation charges are expected to have increased 5.3%. Total new income is forecasted at $29.3 million for 1982, down from $89.6 million in 1981.

Farm Development Section

Commodity Development Incentives Program

The Commodity Development Incentives Program was approved, effective December 18, 1981. Applications were taken as of January 2, 1982 with a three week break-in period allowed.

From December 18th to January 24th, projects started had to be approved by the Federal—Provincial Agriculture Management Committee. This Committee met six times to deal with items re the Commodity Development Incentives Program. Projects started after January 24th and before July 6th, 1982 had to be approved by the Farm Development Sub Committee before that project was started. The Committee was comprised of three federal representatives and three provincial representatives.

Many changes took place in the membership of the Committee and this caused some problems in inconsistency of decisions.

Thirty-eight meetings of the Farm Development Sub Committee were held with 651 applicants being handled. Changes in programs, policy issues and questionable claims were also handled by the Committee. Additional responsibility has been designated to the Manager to handle changes in project costs, additions to programs for applicants who have already been approved and to approve claims which have overrun on costs.

An Appeals and Advisory Board was appointed to hear appeals from unsatisfied applicants. This Board held sixteen meetings and handled 151 situations including 49 defaulters, 95 appeals, four forestry proposals and three advisory opinions.

The fact that applications must be complete prior to the project being started is causing many misgivings about the program. However, the program was inactive between July 7th and August 4th while a close look was taken at the administration of the program.

Activity under the Commodity Development Incentive Program has been at about the same level as in the first twelve months of the Family Farm Development Program.

There are more part-time farmers eligible and applying under the Commodity Development Incentives Program than previously — grant payout was up to 8.5% for part-time farmers and approvals are at 9% of total grants approved. Sixty-seven part-time farmers have been approved for $242,643 with $73,950 being paid out in grants.

COMMODITY DEVELOPMENT INCENTIVES PROGRAM

Summary of Activity	Applicants	Rejections
O'Leary	86	2
Summerside	192	7
Charlottetown	204	3
Montague	117	2
Souris	38	—
TOTALS	637	14

BREAKDOWN OF APPLICANTS

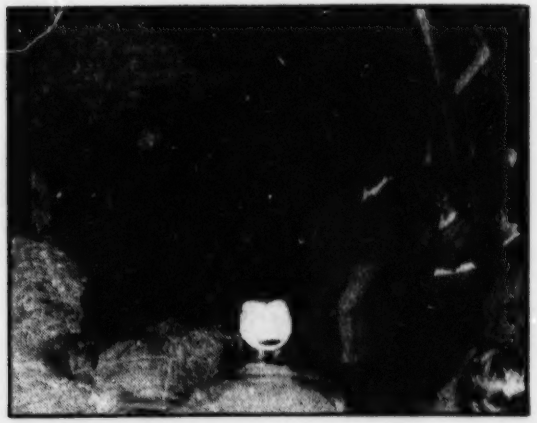
Primary Enterprise	Number of Farmers	Approved Grants
Blueberry	9	$ 53,238
Cereal	5	18,120
Potato	102	583,696
Rutabaga	7	17,616
Tobacco	26	150,257
Vegetable	6	33,871
Other Crops	1	7,500
Mixed Crops	3	4,978
Mixed Crops & Livestock	19	58,074
Mixed Livestock	20	62,387
Beef	72	239,781
Dairy	230	954,882
Fur Bearing Animals	35	140,425
Sheep	5	21,862
Swine	76	292,361
Poultry	5	25,115
Miscellaneous	15	59,562
TOTALS	636	$2,723,725

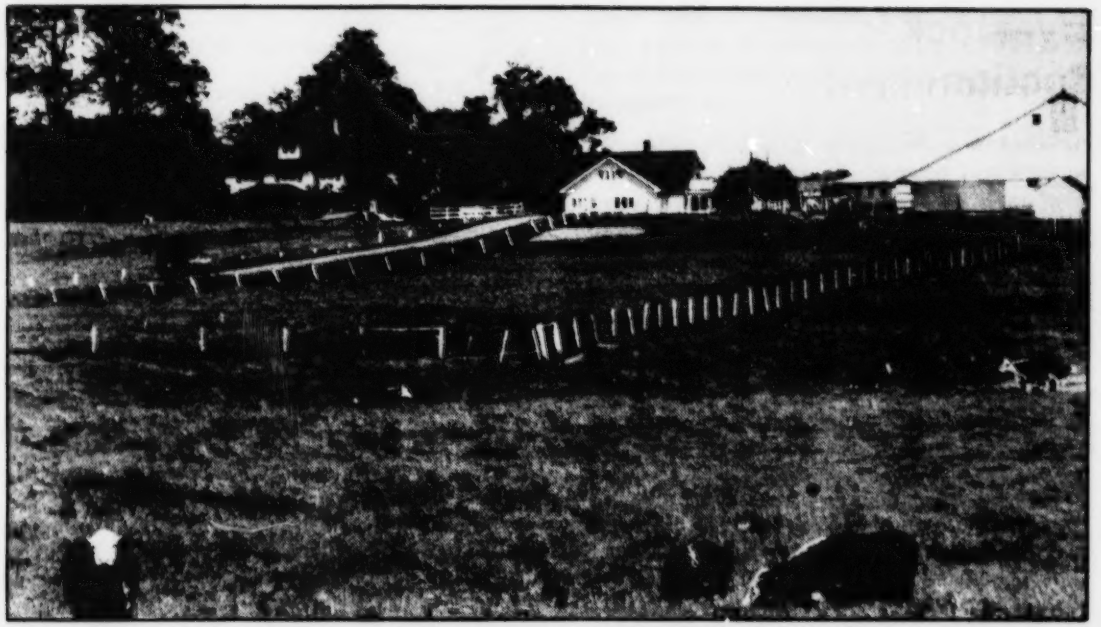
GENERAL GRANTS PROCESSED

Number General Grant Claims	471
Total General Claims	$726,502
Average General Claim	$ 1,542
Number Farms Claimed	197
Average Farm Claim	$ 3,687

COMMODITY SPECIFIC GRANTS PROCESSED

Number Specific Claims	74
Total Specific Claims	$144,241
Average Specific Claim	$ 1,949
Number Farms Claimed	58
Average Farm Claim	$ 2,486





SPECIFIC COMMODITY CLAIMS

		PROJECT CLAIM	NO.
E01	Potato storage ventilation	15,000	2
E02	Aerated Grain storage	127,473	70
E03	Hay Dryer	1,768	2
E04	Small fruit/Vegetable cooler	—	—
E05	Blueberry Land Development	—	—
		$144,241	74

PROPOSED SPECIFIC COMMODITY PROJECTS

CODE	PROJECT DESCRIPTION	PROJECT COST	APPROVED COST	PROJECT GRANT	NO.
E01	Potato storage ventilation	$214,387	$214,387	$ 81,656	16
E02	Aerated grain storage	853,055	850,055	307,661	178
E03	Hay Dryer	91,215	88,715	35,986	33
E04	Small Fruit/Vegetable Cooler	8,400	8,400	3,360	1
E05	Blueberry Land Development	107,000	95,900	44,750	12

Livestock Section

Dairy Production

At the end of 1982, Prince Edward Island had 508 industrial producers, 140 fluid producers and 293 cream producers. The dairy cow herd is estimated at 23,500 head plus 12,200 replacement heifers.

Dairy producers exceeded the M.S.Q. available to the provinces with the final figures for 1981-82 quota year as follows:

Deliveries	3,394,000 kgs. and
Over Quota Deliveries	122,000 or 3.7%

In the latter part of 1982 production has exceeded production of the same period the previous year. This indicates that drastic correction is required to produce within a reduced M.S.Q. for the 1982-83 dairy year.

D.H.A.S.

The D.H.A.S. field staff was reorganized in April of 1982. The inspection duties for the official D.H.A.S. herds, formerly performed by the Artificial Breeding Technician, are now handled by a full-time D.H.A.S. supervisor. The supervisor has a workload consisting of both official and owner sample herds. This reorganization enabled the program to increase enrollment of official herds from 36 in 1981 to 45 herds at the end of 1982. The official option of the D.H.A.S. is recognized by the Canadian Milk Recording Board. In 1982 the Dairy Herd Analysis Service had 186 herds and approximately 6,100 cows enrolled. This was a decline from 203 herds and 6,580 cows in 1981.

The reduction in owner sample herds is due to the over quota production.

National Identification Program

The Livestock Section continued to promote the National Identification Program for grade dairy cattle. In 1982 approximately 900 new animals were enrolled.

On August 1, 1982 the position of Milking Equipment and Routine Analysis Technologist became a full-time position in the Livestock Section. In 1982 a total of 74 farm calls were made to dairy farmers with respect to milking equipment and/or milking routine analysis.

Somatic Cell Counts

The Department of Agriculture started somatic cell counts on bulk tank milk samples early in 1982. This showed a high incidence of subclinical mastitis. Extension programs to reduce subclinical mastitis were intensified in the fall and results are encouraging.

Importation of Breeding Stock

The Department assisted on the importation of 64 head of breeding stock into the province at a cost of $7,425.

Beef

A total of 22,514 beef cattle of P.E.I. origin were slaughtered in plants with federal grading up to December 1, 1982. This represents a 26% increase in slaughter numbers. A total of 366 calves were slaughtered in these plants which is a decrease of 45% from 1981. Sales through livestock sales barns were approximately 11,000 head, relatively unchanged since last year. There were 10,402 cattle slaughtered in provincially inspected slaughterhouses.

The Beef Record of Performance program has undergone a complete revision. The program now consists of three levels which can be offered for both commercial and purebred operators. It has enough flexibility to provide important reproductive and growth information for all types of cow—calf operations. During 1981-82 there were 75 herds enrolled in the program. Five P.E.I. producers sent 21 bulls to the Maritime Bull Testing Society in Nappan, Nova Scotia. Sixty-three bulls were sold at the completion of test. The average price was $1,358 with the highest selling bull ($3,700) being consigned to Dundas Farms.

The Bull Bonus Policy is designed to assist beef cow—calf farmers in the purchase of superior sires. During the year $24,750 was paid for 71 bulls. Assistance of $100 per head was also available on registered females brought from outside P.E.I. which met minimum type and R.O.P. requirements. Under this Policy, assistance was paid for 33 females.

A total of 107 steers were shown and sold at the 1982 Easter Beef Show and Sale. Total sales amounted to $114,786. The average price, including the champion, was $1.09.

The first West Prince Feeder Show and Sale, sponsored by the West Prince Hereford Association, was held during April. There were 12 steers sold at an average price of $1.31.

The Atlantic Provinces Beef and Sheep Sub committee continued to develop information packages on pertinent topics such as handling facilities and the care of yearling bulls.

Extension activities included work on management demonstrations, news articles and radio tapes.

Swine

The R.O.P. Swine Home Test Program tested a total of 2,923 head.

Boars tested and bonussed	817
Boars disqualified	69
Gilts tested and bonusable	1,205
Gilts disqualified	147
Quality Swine boars tested	67
Quality Swine gilts tested	620

The Department of Agriculture assisted on the purchase of 130 boars and 955 gilts under the boar bonus and gilt assistance policy in 1982. The provincial A.I. program is used by 7 producers (mostly purebred breeders).

Probing gilt replacement service used by four commercial producers and the pregnancy testing service is used by 60 producers.

The Swine Industry has responded well to the increase in price this year; the increased sale of breeding stock indicates an expansion of the industry.

This year 17,000-20,000 weaner pigs are being exported off Island while local finishing operations are faced with a shortage.

Extension activities include fact sheets, radio tapes, newsletter articles, information meetings, courses. A highlight of the year was a very successful "Swine Day" program, attended by 130 producers.

Poultry

P.E.I. egg production quota is 144,000 birds. Thirty-six registered producers produce 85% of this quota with the balance produced by approximately 150 small producers.

1982 production was similar to 1981 and about 38,000 boxes of 15 dozen eggs each were declared surplus.

There are 12 applications for new or additional egg quotas.

Broiler production consists of one producer shipping to the A.C.A. plant in Nova Scotia for processing.

Approximately 80,000 birds were grown by Island farmers for local consumption, practically all are heavy chicken.

The Island poultry meat quota is 5,000,000 lbs. Most of this quota is not being utilized. In 1982, about 16,000 turkeys were grown on 50 farms for local consumption, this is a 10% increase over the previous year. However, waterfowl production was steady at 10,000 geese and 4,000 ducks.

A new waterfowl hatchery was established and Waddell's Poultry Processing Plant opened this year. Two new modern producer—owned egg packaging stations were constructed.

Extension activities centred on farm calls, direct mailing of information and publications, as well as working with the various organizations and boards of the poultry industry.

Sheep

The number of sheep and lambs marketed in 1982 through federally inspected plants, but originating from P.E.I., showed a decrease of 69% from 1981 figures. As of November 30, 1982 there were 348 animals marketed. The P.E.I. Lamb Coop began operation in 1982. They are delivering lambs from producer to retail stores. The Coop has sold approximately 400 carcasses during the first half year of operation. Lambs were also marketed to the Truro and Montreal markets but numbers have decreased due to poor prices and the cost of transportation.

In 1982 twenty-three producers were enrolled in the Sheep Record of Performance Program. One producer also had rams entered at the Ram Test Station in Nappan, Nova Scotia. Sixteen rams were bonussed under the Ram Bonus policy which assists in the purchase of superior rams. The total value of assistance was $1,575. Assistance was also paid on 366 ewes under the Ewe Retention Policy. This policy provides assistance to producers who retain extra ewe lambs over the winter.

Compensation totalling $1,629 was paid to 18 producers who lost sheep due to attacks from dogs.

The ram bank, operated by the P.E.I. Sheep Breeders Association, loaned out 11 rams during the year to sheep producers. The rams are original imports, or their offspring, of the Scottish importation.

The P.E.I. Sheep Breeders Association held their Second Annual Production Sale on August 13, 1982. A total of 66 head sold for an average price of $203. The Atlantic Provinces Beef and Sheep Sub Committee produced pamphlets on sheep production, e.g. Internal and External Parasites, Foot Rot and Care of Ram Lambs. The P.E.I. Sheep Breeders Association began conducting field trials in estrus synchronization of sheep. Approximately 240 ewes have been sponged to date. The program will run until the spring of 1984. Estrus synchronization allows a producer to control the time of lambing to suit his production system.

Extension information included sheep newsletters, assistance with kitchen discussion on sheep management, having a speaker from

Scotland speak on nutrition and assistance in organizing sheep sales, field days and shipments to Montreal.

Nutrition

Feed Testing and Advisory Service

The feed testing program is operated in conjunction with the soil testing laboratory of the Plant Industry Branch. Chemical measurements indicate the quality of samples as feedstuff for livestock. The measurements are used in preparing proper feeding programs and assessing on farm feed related problems.

Computerization of the feed testing reports has allowed reporting of results on an as received and on a moisture free basis. During the year 4,408 samples of feed from 565 farms were tested. Comments are given on individual reports on quality of feedstuffs as well as suggestions (or adjustments) to improve rations.

During the year, a computer program was developed for ration formulation of diets. This program allows a more extensive type of ration balancing and speeds up many tedious calculations. Rations given to producers by correspondence were: Hogs — 75; Dairy — 40; Calves — 20; Heifers — 6; Chickens — 18; Beef — 12; Sheep — 5. In addition to these ration formulations, advice was given out through office contact and telephone conversations.

Exhibitions

Staff of the Livestock Section spent considerable time in assisting at the various exhibitions on P.E.I. with the livestock shows, both as judges and clerks. In addition to the regular exhibitions, assistance was given to the Purebred Bird Fanciers Show and the Live Fox and Mink Show.

Also the Livestock Section assists P.E.I. exhibitors financially to exhibit at the Maritime Winter Fair or the Atlantic Winter Fair and the Royal Winter Fair.

Horses

The Department paid assistance toward 38 foals under the Draft Horse Improvement Policy.

Foxes

The Livestock Section assisted in supplying information to new ranchers and in organizing a program to assist ranchers in culling breeding stock.

Breed Associations

Assistance was provided for the following Breed Associations:

Atlantic Standardbred Breeders Association
Island Quarter Horse Association
P.E.I. Swine Breeders Association
P.E.I. Sheep Breeders Association
P.E.I. Dairy Goat Association
P.E.I. Cattlemen's Association
P.E.I. Guernsey Breeders Association
P.E.I. Shorthorn Association
P.E.I. Jersey Breeders Association
P.E.I. Holstein Breeders Association
P.E.I. Aberdeen Angus Association
P.E.I. Hereford Association

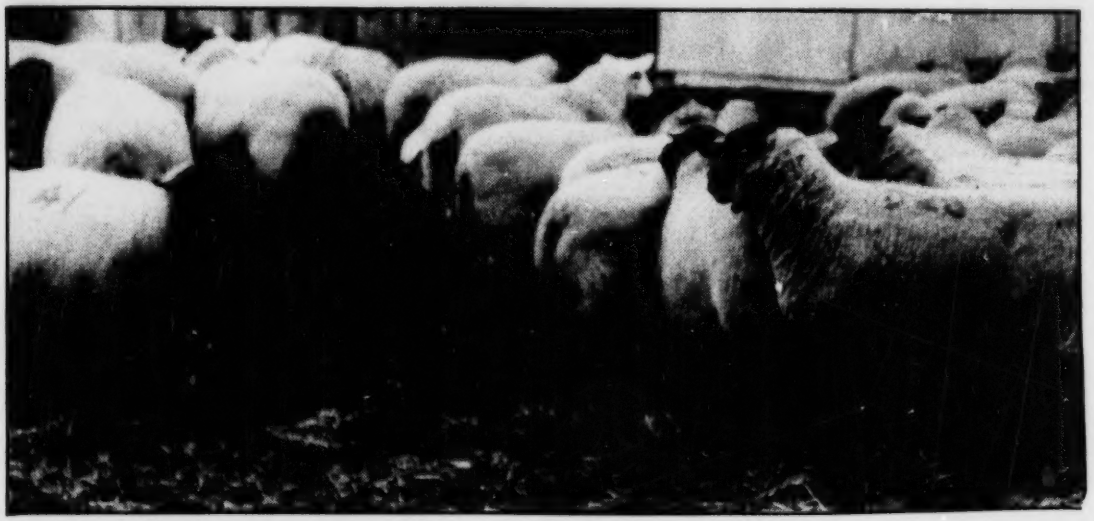
Artificial Breeding

On April 1, the P.E.I. Artificial Breeders' Association took full responsibility for the program and technicians, previously administered through the Animal Industry Branch.

The Dairy Specialist was appointed coordinator for the transfer of the program and is the Department's liaison with the P.E.I. Artificial Breeders' Association. The transfer of this program required significant time from the Dairy Specialist and a successful transition appears to have been made.

Miscellaneous

Section staff was involved with a great number of meetings in coopertion with District Offices and Livestock oriented organizations both for planning programs and carrying out information meetings, etc.



Engineering Section

The Engineering Section was established in February of 1982. Staff, located in Charlottetown, include the Supervisor and Farm Buildings Engineer, Farm Machinery Engineer, Soil and Water Engineer, Soil and Water Technician, Draftsman, Farm Energy Project Coordinator and a District Engineer, located in Summerside serving Prince County. The Section provides information and programs in farm building planning and design, farm machinery, soil conservation and land drainage as well as farm energy conservation.

Farm Buildings

Farm building assistance, including site evaluation, cost estimates, design of farm buildings and systems and periodic site visits during construction is provided by the Farm Buildings Engineer and the District Engineer. New plans, drafted for producers, included 4 beef, 12 dairy, 6 calf and heifer, 17 swine, 3 poultry, 24 potato and vegetable storages and 5 special structures. In addition, approximately 250 buildings plans were discussed with and distributed to producers requesting planning assistance.

Potato Storage

Several large potato storages, grading and packing room facilities, and one bulk onion storage were constructed with financial assistance from direct delivered federal programs. Detailed construction plans and site visits were provided on these projects. A very successful producers' meeting was held on potato storage ventilation systems and management.

Information

The Engineers acted as resource persons for district office programs, organized farm tours, short courses and participated in the farm energy conservation workshops. Radio and T.V. programs are also used as a means of promoting good farm building construction and management. The Engineers are also involved with programs relating to the Atlantic Committee on Agricultural Engineering and the Canada Plan Service.

Farm Energy Conservation

A project to demonstrate energy conservation techniques on a wide variety of farms was begun in the fall of 1982. Energy audits are being conducted on a limited number of farms and selected energy conservation projects will be monitored over a two year period.

Soil and Water Conservation

Drainage advice for surface and subsurface moisture problems was given to producers. Twenty-three detailed surveys were done for producers to supplement this advice on moisture problems. Approximately 38,500 feet of subsurface tile was installed on 19 farms. The three subsoilers were maintained and 42 producers used them in alleviating drainage and soil compaction problems. Staff continued to work on a program of outlet identification on previously installed drainage projects. Rehabilitative work was supervised on several of these nonfunctioning systems with good results.

The Engineer, in cooperation with Forestry and other Agricultural personnel supervised a summer student windbreak project. This project employed a total of 25 students in all parts of the province and 187 windbreak plans were prepared.

During the year the Division Fence Act was reviewed for possible changes along with changes to the Domestic Animals Act. The Engineer investigated 30 enquiries and disputes regarding the Act.

Data collection continued at the Emerald Stream Sediment Collection Unit, although the scope of operations was considerably reduced. Forty-six stream alteration permit applications were investigated. The Engineer was involved in work of the Atlantic Committees relating to Soil and Water and Soil Resource Management. In addition to farm visits, mass media is used as a means of promoting good soil erosion control and management techniques.

Farm Machinery

Direct contact with, and service to, farmers on a vast range of machinery questions was a major endeavor of the 1982 machinery extension program. Major activities carried out during the year were as follows:

(1) Dissemination of Information

Numerous radio programs and press releases were prepared on timely topics on machinery maintenance, parts acquisition and availability. Many farm visits were made to assess farm machinery related problems and needs. A fact sheet on chisel plows and their operation was prepared and distributed.

(2) Machinery Demonstration Projects

During 1982 the farm machinery program served in a consultant role to the P.E.I. Soil & Crop Improvement Association and the R.D. & I.A. Productivity Enhancement Program in their demonstration projects. The Soil & Crop Improvement Association demonstrated the uses of four types of chisel plows and the P.E.I. projects covered a wide range of areas from combine pickups and large round bales as silage. A rock rake was acquired during 1982 for demonstration during upcoming years.

(3) Special Projects

During 1982 effort was put into a special project on the investigation of the potential development of the peat bog on Lennox Island for vegetable production; also, a special project of examination of machinery technology appropriate to small scale farming was initiated. The search continues for a combine suitable for small acreage of cereal grains at a price which can be afforded by the average family farm.

(4) Atlantic Committee on Agricultural Engineering

The farm machinery specialist continued as a member of the Atlantic Advisory Committee on Power and Machinery as well as the National Advisory Committee on Power and Machinery.

As a member of a special committee of ACAE a contribution was made to a report proposing establishment of an Atlantic Agricultural Machinery Institute.

(5) Rural Safety

The farm machinery specialist continued to serve on the Safety Advisory Committee of the Federation of Agriculture.

Activities in the area of rural safety included:

a) Judging at the Young Farmer Safety Poster Contest;
b) Participation in safety program on radio
c) Participation in Workmen's Compensation Board Hearing Loss Seminar;
d) Lectured to Holland College Environmental Technology students.

Crops Section

Strawberries

Extension Activities

Included grower calls related to pest, disease, weed and fertility problems.

Four newsletters were distributed to growers (including a revised Atlantic Weed Control Guide, Grower Association activities, variety trial information, etc.).

Staff revised the Atlantic "Home Garden Cultural Guide for Strawberries".

Grower Field Trials

Provided samples of two test varieties from Kentville Research Station (K74-12-12 and K76-3) to five growers. Evaluated trials of the new variety Kent which were distributed in 1981.

A strawberry breeder at the Kentville Research Station, spoke at a general growers meeting in June regarding varieties and the disease, red stele.

A farm meeting was held in September to observe fumigation trials, various field equipment and a safety film.

Transportation was provided for 12 P.E.I. growers to a Maritime Strawberry Meeting in Amherst, Nova Scotia. Key concerns were developing new markets, pre cooling of berries to improve quality and cooperation among the Maritime Provinces.

Certified Strawberry Program

Two P.E.I. nurseries were approved for certification in 1982 and a subsidy totalling $2,697.00 was paid to the nurseries based on $15/1,000 for orders over 500.

A meeting was held with the nurserymen, directors of the Strawberry Growers Association and other interested parties to review the Certified Nursery Program and consider future possibilities for expansion.

P.E.I. Strawberry Growers Association

This Association has approximately 25 members and received a $1,000 grant from the P.E.I. Department of Agriculture for educational purposes.

Main topics at annual meeting included processing possibilities and new experimental methods of production such as raised beds, high density plantings and trickle irrigation.

On Farm Cooler Assistance (Commodity Specific Grant)

To encourage high berry quality.

A program is in place to provide 40% of capital costs for farm coolers to a maximum of $5,000/acre.

Crop Estimates

Acres (Fruiting)	360		
Average Yield	4,000	quarts/acre	
Strawberries Marketed	1,400,000	quarts	**Average Price**
Fresh	15%		$1.00-1.25/quart
Pick Your Own	66%		$.55/lb.
Processing	19%		

Yields were excellent, representing the highest in several years.

Blueberries

The 1982 blueberry crop is estimated at 750,000 lbs. harvested from 750 acres.

To processors (90% of crop)
Average Price to Grower
$.63-.64/lb.
Sold Fresh (10% of crop)
Average Price to Grower
$.80-$1.00/lb.

Yields were generally very good on properly managed fields. Bird control was not a problem, as it has been in previous years.

New acreage is currently being developed which could potentially double total production within the next five years. Growers are provided financial assistance through the P.E.I. Department of Agriculture's Commodity Specific Blueberry and Development Grant which covers 50% of capital costs to a maximum of $250 per acre. Horticulture staff inspects potential land before and after development under this program.

Other extension activities included newsletters and grower calls related to insect, disease, weed control practices, burning etc. Field Surveys were conducted to monitor the presence of the blueberry maggot.

A resource person from the Fredericton Research Station, spoke at the summer field day on the topic of blueberry insect problems. At the Annual Meeting of the P.E.I. Blueberry Growers' Association, weed control was discussed by a Kentville Research Station representative.

The Blueberry Growers' Association received a $1,500 grant from the P.E.I. Department of Agriculture to promote their activities.

Honeybees

Crop Estimates

Number of Beekeepers	220
Number of Bee Colonies	1350
Average Yield	100 lbs./colony

Honey quality was very good but yields were down somewhat from 1982 due to poor fall weather conditions.

Extension Activities

Activities included answering numerous calls from beekeepers and working with the P.E.I. Beekeepers Cooperative Association, the distribution of five newsletters to the beekeepers and coordinating an "Introductory Beekeeping" course involving 35 people and five evening sessions.

P.E.I. Apiary Inspection Act

One part-time disease field inspector was hired in 1982. Samples were also checked in the laboratory by the Provincial Apiarist. Number of beekeepers inspected — 85. A number of cases of American Foulbrood were diagnosed. The sale of used equipment remains as one of the most serious causes of disease spread. Honey Grading Equipment was purchased to promote better control on honey quality by beekeepers.

Other activities included two fall workshops: Wax and Candle Making and Honey Extracting and Packaging. Obtained and showed two educational video tapes on "Honeybee Bevaviour" and "The Varros Mite".

P.E.I. Beekeepers' Co-Operative Association

The Association, which has approximately 200 members, was provided with a $4,000 grant by the P.E.I. Department of Agriculture to subsidize transportation costs for package bees and educational purposes.

A survey was carried out regarding the attitudes of beekeepers towards central processing and/or selling and some form of provincial grades.

Marketing was the key issue at the sprng Annual Meeting.

Bee Order Statistics

	Packages		Extra
	2 lb.	3 lb.	Queens
Early Shipment	890	50	102
Late Shipment	199	17	15
	1089	67	117

Raspberries

There are approximately 20 acres of raspberries. Yields were reported to be generally good in 1982.

One newsletter was sent to growers which included a revised Atlantic Weed Control Guide and a 1982 Atlantic Cost of Production Study.

Home Gardens

In 1982 two summer students were hired to provide home owners with pest and management information for vegetables, fruit, lawns and ornamentals. The students were located in Summerside and Charlottetown.

Statistics — Number of Calls

	Summerside	Ch'town
May	—	50
June	150	168
July	85	168
August	92	101
	327	487

Numerous additional home garden calls were handled at other times of the year by Horticulture and District Office Staff.

Cereals

Yields of cereal grains were higher than the two previous years due to improved weather conditions.

Leaf and stem diseases were minimal which contributed to higher yields and large kernels giving a high quality product. Although cereal grain acreage remained the same as 1981 there was a slight switch from barley to mixed grain.

Winter cereals overwintered well with good yields reported. Fall rye seedings were heavier this fall as more farmers use this crop to help control erosion and add organic matter to the soil.

The Quality Seed Assistance Program was altered to offer an incentive to treat cereal grain seed. Over 500 applications were processed under the program.

An Intensive Cereal Management Study on Spring Barley was conducted in 1982 to determine the proper stage of plant development to add supplementary nitrogen to get an economical yield increase of cereal grains. Hormones were used to stiffen the straw and fungicides to control diseases in an effort to develop a recipe for the maximum economic yield of cereal grains.

CEREAL AND FORAGE CROP PRODUCTION

	ACREAGE			YIELD BU/ac.		
	1980	1981	1982	1980	1981	1982
Wheat	11,000	8,100	7,000	37	41	47
Oats	57,000	33,000	34,000	52	57	61
Barley	51,000	53,000	48,000	45	52	55
Mixed Grain	70,000	85,000	90,000	51.6	58	61
Hay	131,000	124,000	126,000	2.26 T/ac.	2.1 T/ac.	2.2 T/ac.
Corn	9,000	6,300	6,000	12.0 T/ac.	14.6 T/ac.	15.08 T/ac.

Soybeans

The new maple amber soybean yielded 35 bu. per acre on a number of farms this season. This crop is an economical source of protein supplement for cattle rations.

Peas

The Finale Pea was tested and yielded well but harvesting difficulties due to short vine length remain as problems before this variety will be suitable. Century Peas yielded better than normal this season with no reported harvesting problems.

SeCan Association

SeCan Association is a unique partnership of seed growers, seed firms and government departments dedicated to production and marketing of outstanding new varieties of crops developed in Canada. This department has a representative on the Board of Directors who attended their annual meeting in 1982. Some of the varieties recommended in the Atlatnic region distributed through SeCan are Milton and Vernon spring wheats, Bruce and Leger barley and Shaw and Sentinel oats; as well as Maple Presto soybeans.

C.S.G.A.

The Department of Agriculture is represented on the Board of Directors of the Canadian Seed Growers Association and the representative attended their annual meeting in Regina in July and their Directors' meeting in Ottawa in the fall to discuss the latest issues in the seed grain industry.

The Canada Seeds Act and Weed Seeds Order are being revised. Specific requests have been made through the C.S.G.A. to have regional regulations to assist the Island Pedigreed Seed Industry to ensure the quality standards expected by Island farmers are maintained.

Forage Crops

Tame Hay acreage remained relatively stable; however, better management practices and a trend to alfalfa and ryegrass species increased the quality and protein content of the forage crop.

New Forage varieties with different maturity dates permit programmed harvesting to ensure the total crop is harvested at the optimum stage of development.

A higher percentage of the Forage Crop is being stored as haylage. Barn driers are used in many operations to assist in making top quality hay. The corn silage acreage dropped slightly.

Pastures

Ryegrass usage is rapidly increasing as a pasture crop. Its prolific growth when well managed and high protein level, makes an economical pasture. Farmers continue to manage their pastures more intensively through timed fertilizer applications, better weed control and rotational grazing.

Brillion Seeders

Another Brillion Seeder was purchased in the spring of 1982 for use by farmers establishing direct seeded forages. There are now four new 8' Brillion Seeders available to Island farmers.

Soil & Crop Improvement Association

The P.E.I. Soil & Crop Improvement Association is a producer operated organization whose prime role is to improve the soil while increasing crop yields with the ultimate goal being higher net incomes to farmers.

The Association is the key link between agricultural research and practical farm scale production and, as such, conducts a network of demonstration and trial projects on members' farms in four active agricultural districts across the province. With a membership of over 325, the association had 53 farmers participating in field trials in 1982.

Testing of cereal and forage crops using the newest varieties available constituted a major part of soil and crop activities. Plots of barley, wheat, oats, mixed grain, peas, alfalfa and other legume grass mixtures as well as annual ryegrass, were seeded and managed by the farmers doing the plot work using guidelines established for efficient management.

The department staff sample tested and evaluated the plots from planting to harvest and analysed the results. These results are published and available to all Soil and Crop members and other farmers who request the information.

The Soil & Crop Association, in cooperation with the P.E.I. Department of Agriculture and Agriculture Canada, sponsored a Soil Seminar in March outlining the latest concepts in tillage and erosion control and energy saving technology to the farm community. Over 230 farmers attended this Seminar held at the Rodd Motor Inn.

This was followed in early August by a field tour viewing the soil management project, as well as other pertinent Soil and Crop plots. The tour was attended by over 235 farmers.

In late July the association sponsored a tour to New Brunswick to view various aspects of livestock and crop production in key areas of the province. Approximately 25 farmers participated. In return, the Island Association hosted a New Brunswick Soil & Crop Improvement tour on July 31.

The P.E.I. Soil & Crop Improvement Association again sponsored the New Crop Development Programs which conducted the Intensive Cereal Management Study on spring barley and studied alfalfa seed production on Prince Edward Island.

Last March the association signed a $347,000 two year Productivity Enhancement Project on Soil Management and Erosion Control with Agriculture Canada. The project is designed to demonstrate the farming practices most suitable for improving soil management and conserving soil as a basic resource for food production.

Over ten projects were conducted, some major grassed waterway diversions including tile drainage, hedgerows, gabion baskets and rock shoots were constructed. Other projects to assess the best method to increase organic matter content were initiated. Alternate tillage systems are being evaluated. The Association purchased three chisel plows and a paraplow which were demonstrated across the province and made available to farmers.

The Association sponsored, through the Productivity Enhancement Program, studies which evaluated new crop dimensions for the Island, such as: direct drilling of spring and winter cereals into stubble; pasture and hay field renovations without cultivation; evaluating Root Rot Resistant tobacco varieties; growing commercial onions on P.E.I., evaluating techniques to better manage blueberries using chemical weed control and fertilizer applications to increase yields, using various seed treatments on cereal grains to determine the best products and feeding raw Island grown soybeans to Island dairy and beef cattle to determine their feed value compared to soybean oil meal being purchased.

Competitions

Eighteen hay samples were entered in the 1982 Hay Competition. The top protein level was 21.9% crude protein in alfalfa hay. The winning samples were displayed in the Association booth at the Provincial Exhibition.

The grain competition attracted 58 entries in the various classes of wheat, oats, barley, mixed grain, peas and the two new classes: Winter Wheat and Winter Rye.

Two new competitions were sponsored this past season.

The Potato Yield competition was held and received 10 entries between the Netted Gem table class and the seed and table classes for Sebago, Kennebec and Superior.

Sixteen silage samples were entered in the various classes of the silage competition.

Tobacco Production

The 1982 growing season was not a very good one because of the cool wet June and cool August. However, July had good growing conditions for Tobacco.

In spite of the overall poor growing season P.E.I. produced the biggest crop of tobacco ever. There were two major reasons:

1) The acreage was up slightly from other years.

2) Most importantly the two new varieties grown in the past two years — Islandgold and Delgold, have given both much better quality and yields.

In 1982 there were 71 growers growing 4,126 acres producing an estimated 7,400,000 lbs. of tobacco with a gross return, when the final payments are made, of about 12 million dollars.

During the year approximately 12 tobacco board meetings were held; also three general meetings of all growers. In August the third annual tobacco twilight field day was held with a very good turnout of growers, wives and agribusiness people.

In February the annual Maritime Tobacco Winter Meeting was held in Charlottetown. This meeting was very well attended by growers from all three Maritime provinces.

Tobacco Production Figures — 1972-1982

Year	No. of Farms	Acres	Production in Lbs.	Avg. Yield Per Acre	Value in Dollars
1972	78	3600	4,500,000	1250	3,000,000
1973	71	3600	5,000,000	1390	3,743,657
1974	65	3635	3,665,000	1008	3,408,000
1975	63	3286	4,617,248	1405	3,430,213
1976	65	3568	5,000,000	1400	5,250,000
1977	67	3800	4,604,413	1211	5,060,000
1978	68	3855	5,780,000	1500	6,851,254
1979	68	3959	5,685,217	1436	6,649,103
1980	72	4017	4,947,732	1231	6,748,706
1981	68	3855	6,714,967	1741	10,296,749
1982	71	4126	7,394,100	1792	12,000,000
			5,947,732		

Rural Development

The Rural Development Section is responsible for the 4-H program, farmer training programs, the training and assessment components of the New Farmer Program, P.E.I. Junior Farmers' Organization, Agricultural Manpower Committee, the School Milk Program, the coordination of Resource Centres, the administration of Policies 1 and 2 (assistance to Agricultural students), the Farm Organization Policy and International Agricultural Exchange Programs.

Policies 1 & 2
Grants and Training Assistance to Students Studying Agriculture Veterinary Science or Education

These policies were designed to encourage and permit those who wish to obtain training in the technical and professional aspects of agriculture to more easily do so; and to ensure that a continuing supply of trained people are available for extension, agri-business, research, veterinary medicine, teaching and farming. There is also provision under Policy 1 for those already engaged in agriculture to improve their level of skills by participating in recognized correspondence courses related to agricultural production and marketing. Under Policy 1 — Technical and Vocational Agricultural Training Assistance — (a) students at Nova Scotia Agricultural College are granted financial assistance covering tuition and a living allowance of $25 per week toward the cost of room and board and (b) students attending other technical institutions are granted assistance covering tuition, $25 per week living allowance and one round trip railway fare in each academic year.

Students being assisted under Policy 1:	
Nova Scotia Agricultural College, Truro, N.S.	45
TOTAL	45

Policy 2 — students engaged in studies leading to an agricultural degree, veterinary medicine degree or a Bachelor of Education in Agriculture are all eligible for assistance under Policy 2.

Students being assisted at various institutions:	
B.Sc. in Agriculture	
Nova Scotia Agricultural College, Truro, N.S.	- 26
University of Guelph, Guelph, Ontario	- 12
Macdonald College, Ste. Anne de Bellevue, P.Q.	- 6
Veterinary Medicine	
Ontario Veterinary College, Guelph , Ontario	- 8
University of Montreal, Montreal, P.Q.	- 1
TOTAL	53

Training Programs

The Rural Development Section coordinates the training programs offered to the farming population either through the district offices or through Holland College as funded by the Employment and Immigration Commission.

New farmers are, to varying degrees, involved in training programs such as short courses, seminars, tours and conferences.

Dairy Management Tour

Nine establishing dairy farmers, accompanied by a dairy extension worker, representing all five agricultural districts, toured dairy farms in the Guelph-Woodstock area of Ontario. The tour, from November 21 to November 25, included dairy farms, Western Breeders Inc., United Breeders Inc., Rowntree Farms and meetings with Ontario Ministry of Agriculture and Food Dairy Extension Staff.

Atlantic Meetings

A bus load of some 40 people attended an A.I. Unit sponsored Information Meeting in Fredericton in October.

Seven farmers attended the New Brunswick Pork Fest '82 in Fredericton in October.

Farm Machinery Training Service

A Farm Machinery Training Service was offered again from June to October of 1982. Instructors were employed to teach Farm Machinery repair and maintenance skills in farming communities throughout the province to small groups of interested farmers.

A total of 178 farmers attended courses on sprayer calibration, haying equipment, grain combines and potato harvesters.

Two new one day courses were offered this year — one in Plow Adjustment and another in "Combine Winterizing".

Resource People Hired

The Rural Development Section assisted rural organizations to put on training programs for their membership by paying for resource people.

Vegetable Storage Construction

Our Agricultural Engineer visited Ontario to look at carrot storage ventilation systems for application on Prince Edward Island.

Farm Business for Farm Women Conference

A very successful Farm Business for Farm Women Conference was held, for the third consecutive year, at the Charlottetown Hotel. Ap-

proximately 110 women participated in the program held on February 17 and 18.

P.E.I. Young Farmers' Conference

The Fourth Annual Young Farmers' Conference was held on March 10, 11 and 12, 1982 at the Charlottetown Hotel. Seventy-two young farm men and women participated in the sessions which centred around the theme "Getting Better, Not Just Bigger".

Windbreak Planning Project

The training Coordinator participated in planning and delivering a five day training program to 24 summer students who were employed by the province for 12 weeks to plan and draw up farm windbreak plans.

Computers

A staff training session on Computers and Agriculture was held on May 5 at Holland College with 12 staff attending.

Training Calendar

The 1982 Department of Agriculture calendar appeared as a monthly centrefold in CornerPost. Each issue featured some aspect of agricultural training programs available to Island farmers and students, including a picture of an Island farm person who had participated in the featured training program. Upcoming training events were listed on the calendar.

Leadership Development

Two branches of Women in Support of Agriculture received assistance to carry out training for their membership in leadership development.

Farm Energy Workshops

The Department of Agriculture assisted the P.E.I. Federation of Agriculture to organize a series of workshops designed to help farm families cut energy costs. A number of staff made presentations to approximately 120 farm people.

Information Days

An information program on mastitis control was offered in Summerside and Charlottetown on December 1 and 2. Approximately 310 farmers turned out to hear a University of Wisconsin resource speaker and other speakers discuss how to cut down mastitis in dairy herds. During a four day visit, a meeting was held with the P.E.I. Veterinarians' Association, the Animal Industry Branch Staff and Extension Staff and took place with the Wisconsin resource person.

An Information program on potato ventilation was attended by 40 potato farmers in Summerside when a speaker from Maine visited Prince Edward Island, in late August, and addressed the group.

Forty people attended the Fur Breeders' Information Day on October 23 to hear a speaker from Nova Scotia.

Forage Storage Workshops were held in Summerside and Charlottetown, April 7 and 8, when approximately 70 farmers, attended. The resource person was from Ontario.

"Futures Marketing" was the topic of a successful meeting held for swine producers in O'Leary and Montague.

Post Secondary Training Options In Agriculture Handbook

A handbook was prepared and distributed to all P.E.I. high school guidance counsellors. The purpose of the handbook is to provide information on the post secondary training options available to students interested in agricultural careers.

The comprehensive handbook includes materials on degree, diploma, vocational, independent study programs as well as financial information and colleges offering agricultural training.

Farm Organization Assistance Policy

The Federation of Agriculture and the National Farmers Union submitted projects for funding under the Farm Organization Assistance Policy.

Commodity Development Incentive Program — Training Component

One of the components of the Commodity Development Incentive Program is training based on the new farmer's skill level as assessed by a tester farmer (experienced farmer). There are 14 tester farmers who assess the new farmers so as to ensure that they have the necessary basic skills to begin farming.

Training programs can be a combination of classroom instruction, short courses, tours, workshops and on farm counselling.

There were a total of 63 new farmers assessed by 14 tester farmers during 1982.

Tester Farmers

A workshop was held for Tester Farmers on March 23. About 30 tester farmers and district office staff attended the day long program at the Charlottetown Hotel.

"Do You Have the Basic Skills to Farm?" — an information leaflet was prepared and distributed to district offices to explain the evaluation process to new farmers.

The descriptions of Tester Farmers' farms were updated and distributed to district offices.

Resource Centres

All materials have been recatalogued according to the Dewey Decimal cataloguing system. As a result, the materials are more easily available to the public with a minimum of staff help.

The Training staff of the Rural Development Section moved to the Resource Centre in November, 1982.

The DACUM packages from all five Resource Centres were distributed to agriculture high school teachers, where they will get wider circulation.

SUMMARY: TRAINING PROGRAM

Program	Date	Place	Numbers
Mastitis Control	December 1	Summerside	169
	December 2	Charlottetown	140
Potato Ventilation	August	Summerside	40
Fur Breeders	October 23	Charlottetown	40
Futures Marketing		O'Leary	
		Montague	
Forage Storage Workshops	April 7	Summerside	30
	April 8	Summerside	40
Dairy Management Tour	November 21-25	Ontario	9
P.E.I. Dairy Goat Assoc. Trans Canada Show	August 4-6	Charlottetown	
Beekeepers Workshop	October 15-17	Charlottetown	
Computers in Agriculture	May 5	Charlottetown	12
Tester Farmer Workshop	March 23	Charlottetown	30
A.I. Unit Information Day	October	Fredericton	40
N.B. Pork Fest	September	Fredericton	7
Farm Energy Workshop	November-December	O'Leary	
		Summerside	
		Charlottetown	
		Montague. Souris	120
Farm Business For Farm Women	February 17, 18	Charlottetown	110
Young Farmer Conference	March 10-12	Charlottetown	72
Farm Machinery Training Service	May-October	All districts	178
I.A.E.A.	September	Charlottetown	25

During the first quarter of 1982, the Resource Centre was used extensively. Films, slide sets, equipment and books were being loaned out every day to home economics and agricultural teachers and departmental staff and organizations. The Farm Safety Committee used the slide sets and films a great deal. The African slides were used regularly by Farmers Helping Farmers. The Women's Institute also used the Resource Centre in the evenings for meetings.

The books were taken out of circulation in June, July and August for recataloguing to the Dewey Decimal System by Provincial Library staff. During the summer months, the farm safety audio-visuals were in constant demand. Publications for preserving fruits and vegetables were distributed. Orders for Agriculture Canada publications were placed in late August for distribution to district offices.

In September, agricultural and home economics films and slide sets were booked on a regular basis by schools. Nutrition films were used at the Queen Elizabeth Hospital. With books returned from the Provincial Library, the cataloguing system was in place and books were loaned out daily. Buying consumer guides and cookbooks are the most popular choices among the Resource Centre clientele.

Audio-Visual equipment is used mainly by departmental staff, members of the commodity boards and farm associations.

Agricultural Manpower Committee

Institutional Training

In 1981-82 there were six full-time and part-time institutional courses offered involving 38 trainees in full-time and 18 trainees in part-time programs. As well, 12 farmers enrolled in training programs at Nova Scotia Agricultural College (see Appendix A). Block Release — Farm Machinery Mechanic — 11 students.

L.A.M.B.

There are two Canada Farm Labour Pool Offices and one sub office on Prince Edward Island. The Charlottetown Pool had 898 placements during the 1981-82 fiscal year while the O'Leary Pool had 363 placements during the same time period.

Both Pools negotiated industrial training contracts with farmers. In Charlottetown, 35 farmers signed 35 contracts to train 39 employees while in O'Leary 11 contracts were signed by 11 farmers to train 13 employees.

Maritime Farm Certificate Program

Last year in this report, reference was made to the European Training Programs and in particular to the programs of the Agricultural Training Board in Great Britain.

Attempts have been continuing to develop, for Prince Edward Island and the Maritime Provinces, a practical skill training program for farm workers. Although there has been strong support from Farm Organizations for this development, progress has been slow. Discussions between the Nova Scotia Agricultural College, the provincial departments of Agriculture and C.E.I.C. are continuing. A major deterrent is the fact that the proposed Maritime Farm Certificate program does not fit the existing system of Industrial or Institutional Training under C.E.I.C. Due to the importance of this program to the development of agriculture in our province, it is hoped that these problems can be overcome to provide a quality skill development program for farm workers.

Labor Legislation

The Local Agricultural Manpower Board is studying the P.E.I. Labor Act re the possibility of including farm workers in certain sections of the Act. Sections being studied are wage recovery, vacation pay and minimum wages.

The members of the Local Agricultural Manpower board have taken these recommendations to their respective organizations for study and approval.

Agreement

A new Federal—Provincial Agricultural Employment Development Agreement is under discussion but has not been signed.

Prince Edward Island Junior Farmers' Organization

The Junior Farmers' Organization is now in its third year.

The objectives of the Junior Farmers' Organization are as follows:

To improve the social, educational and recreational standards of farm life by means of various projects and activities;

To cooperate with government departments and farm organizations in developing fuller home life, citizenship, cooperative and other community projects;

The encouragement of agriculture and the improvement of agriculture conditions;

To affiliate with any other body with objects wholly, or in part, similar to those of the organization.

The Junior Farmer Organization held their Annual meeting on February 19 and 20, 1982. The

APPENDIX A

AGRICULTURAL MANPOWER COURSES

1981-1982

Course	PT/FT	Location	Places
Timber Harvester	FT	Royalty Centre	15
Spacing Saw Operator	FT	Summerside Ext.	11
Forest Ranger	FT	Forest Ranger School	7
Forest Ranger	FT	Forest Ranger School	5
Farm Equipment Mechanic	(Block Release)	Royalty Centre	11
Farm Machinery Modules	PT	Elmsdale	8
Farm Machinery Maintenance	PT	Elmsdale	10

Director of the Ontario Ministry of Agriculture and Food, Farm Organizations Branch, was the resource person. He helped the organization to develop its priorities — long and short-term and to evaluate its programs and objectives. There were approximately 100 people who attended the Annual Meeting with 50 members participating in the Program Planning workshop.

The following are the working committees of the Junior Farmers' Organization for 1982:

a) Executive Committee
b) Program Committee
c) Farm Safety Committee
d) Membership Committee
e) Fund Raising Committee
f) United Kingdom Exchange Trip Committee
g) Nominations Committee

To achieve their first objective, the Junior Farmers organized a very busy year full of social and educational activities. At each general meeting, the Junior Farmers planned an educational session. Some of the topics were as follows: program planning; farm safety; Ontario Junior Farmers' Organization; U.K. trip report; Devon Young Farmers' Organization, farm income tax preparations. The general meetings took place every second month with Executive Planning Meetings taking place on the alternating months. The Junior Farmers also organized a number of social and recreational events. There were approximately eight dances plus curling bonspiels, bowling nights, camping weekends, deep-sea fishing expeditions, tours, etc.

The Executive Committee also organized a travel program in 1982. The Island group sent two delegates to attend the March Ontario Junior Farmers' Annual Meeting and Conference plus an eight day farm visit.

In August the Ontario Junior Farmers sent two delegates to Prince Edward Island for the second half of the exchange.

The United Kingdom Exchange committee organized the trip to Great Britain for 15 delegates and the return visit of 20 delegates from Britain. The Island delegates left Canada on April 4 for a 16 day agricultural tour focusing on 1) farm safety and 2) proficiency training and testing.

For the first week, the group studied farms in the Devon region as well as being billeted on Devon Young Farmer farms. The next week was spent touring farms in Warwickshire, the major agricultural area of Great Britain.

The delegates returned home full of enthusiasm and ideas for the Junior Farmer Organization, farm safety and the return visit of the 20 Devon Young Farmers.

On September 29, 1982 the English visitors arrived. The Prince Edward Island Junior Farmers organized an ambitious agricultural touring program for the visitors. The tour included 11 Island farms representing all the Island's major agricultural commodities plus a grain elevator and a potato packaging plant.

The Farm Safety Committee developed a proposal for a grant from the Island Farm Safety Board. This grant enabled the Committee to purchase Slow Moving Vehicle signs and sell them to farmers at half price. This proposal included a grant to the Junior Farmers United Kingdom Exchange Trip to study farm safety legislation in Great Britain.

This Committee has made several presentations to the Island Farm Safety Board, 4-H Clubs, and Junior Farmers about their trip and ideas learned. They plan to make several presentations in the upcoming year to other farm organizations at their annual meeting.

The farm safety committee also sponsored a Farm Safety Poster Competition for 4-H members. Over 40 4-H members submitted posters.

As the year closed, the 1982 Executive were planning the Junior Farmers' activities for 1983. These plans will be submitted to the general membership at the February Annual Meeting. The Junior Farmers' Organization looks forward to a busy upcoming year.

4-H Program

The programs and activities carried out in 4-H are dictated by the following four objectives:

1. Leadership and Personal Development

To increase the effectiveness of rural people in group situations by involving them in leadership development and personal development programs.

2. Family Life

To strengthen the total family unit by developing the individual in skills, family relationships, home management and community involvement.

3. Agriculture

To help develop viable farm units through instruction in management skills, production and marketing of agricultural products.

4. Public Relations

To increase the appreciation for agricultural problems, conditions, and programs by carrying out a public relations program for consumers, agri-business, legislators, clientele and future clientele.

Leadership and Personal Development

Under the objective of leadership and personal development, the programs are aimed at the development of leadership and personal abilities of both 4-H leaders and members.

Award Trips: The sending of 4-H members on award trip programs has been a tradition for

the past forty-eight years. The majority of national and international programs are sponsored and coordinated by the Canadian 4-H Council. Ninety 4-H members were involved in award trip programs at the Atlantic, National and International levels during 1982.

Provincial 4-H Council

The objectives of the Provincial 4-H Council as stated in the established constitution to date are as follows:

1. To provide a means of communication between 4-H members, 4-H leaders, parents, extension staff, interested people and business organizations.

2. To encourage 4-H members and leaders to gain a better understanding of and participate more fully in, the 4-H program.

3. To encourage the involvement of potential leaders and members, as well as other members of the community, in the 4-H program.

4. To help interpret the purpose of the 4-H program and to help people understand how that purpose can be achieved.

5. To act as an advisory committee to the Extension Services Branch, Rural Development Section (4-H Program).

6. To encourage and promote the development of 4-H members and leaders through leadership training programs and recognition.

7. To provide a channel through which government, business, 4-H district councils, 4-H clubs and other organizations can financially support the 4-H program.

8. To carry out programs for 4-H members and leaders.

The following are the committees of the Provincial 4-H Council:

a) Executive Committee
b) Finance Committee
c) Program & Travel Committee
d) 4-H Member Project Committees
   - Agricultural Projects
   - Home Economics Projects
e) Annual Meeting & Membership Committee
f) Nominations Committee

AWARD TRIP PROGRAMS

Careers Conference	Manitoba	1
Interprovincial Exchange	All Provinces	9
Citizenship Seminar	Ottawa	9
National 4-H Conference	Toronto	8
Washington Conference	Washington, D.C.	1
Danforth Scholarship Camp	Michigan	2
C.N.E. Scholarship	Toronto	1
John Deere Exchange	Manitoba	1
Atlantic 4-H Conference	Halifax	18
Junior Farmers' Conference	Toronto	2
National Leaders' Conf.	Toronto	5
Washington Leaders' Conf.	Washington, D.C.	2
Manitoba Leaders' Conf.	Winnipeg	2
Provincial 4-H Camp	P.E.I.	50
4-H Day, Maritime Winter Fair	Moncton, N.B.	21

Leaders' Conference and Annual Meeting

The Leaders' Conference and Annual Meeting was held February 12 and 13 in Charlottetown. This year's conference attracted seventy 4-H leaders and senior members to the Charlottetown Hotel.

A professor of communications at the University of Toronto was the keynote speaker for this conference.

The Annual Awards Banquet following the Annual Meeting saw Souris West 4-H Club receive the trophy as the Most Improved Club of the Year.

Twelve leaders received certificates for the five year mark; nine for the ten year; two for the 15 year and 20 year mark for leadership.

The 4-H staff work with the Provincial 4-H Council on the various committee activities.

Dale Carnegie Donation

In the early part of 1982, the Prince Edward Island 4-H Council received a donation from Norm Wright and Associates (Halifax) to put on a free Dale Carnegie Course for 4-H members, leaders and Junior Farmers. The donation, worth $25,000, was taken advantage of by forty-four 4-H'ers and Junior Farmers.

The Council also carried out its regular programs. For example, the Provincial Communications Competitions were held in May.

The Program and Travel Committee sponsored a trip to the Eastern States Exposition for 6 leader delegates. This Exposition is held in Springfield, Massachusetts every September. The leaders were requested to return with ideas, plans and programs to improve 4-H participation in local exhibitions.

Family Life

Provincial 4-H Council 4-H Council Projects Committee

The main involvement of the provincial 4-H Home Economist in the Provincial 4-H Council activities is with the 4-H Home Economics Projects Committee. Project changes, including books, achievement day requirements and exhibition requirements, which this committee decides upon, are implemented by the Provincial 4-H Home Economist.

The 4-H Home Economics Projects Committee Annual Report was finalized and the 1981-82 work was evaluated.

Junior Leaders Conference

Forty Junior Leaders gathered in Charlottetown in January to get ideas on recreation for their clubs.

Exhibitions

The Exhibition List was prepared and taken to the 4-H Home Economics Projects Committee for approval before printing. Copies of the 1982 Exhibition Book were distributed to all leaders and members.

Provincial 4-H Home Economist judged 4-H articles for 4-H Day at the Provincial Exhibition and assisted with the Judging Competition.

Assistance was also given in clerking and helping to set up 4-H displays for Provincial Exhibition and Rural Youth Fair.

Achievement Days

With the Achievement Day Kit, the 4-H Provincial Home Economist each year updates the Home Economics section of this kit.

Leaders' Manual

Each year, the home economics section of the Leaders' Manual are updated by the Provincial 4-H Home Economist.

Agriculture

The Agricultural Projects Committee met four times during the year. The Committee accomplished the following:

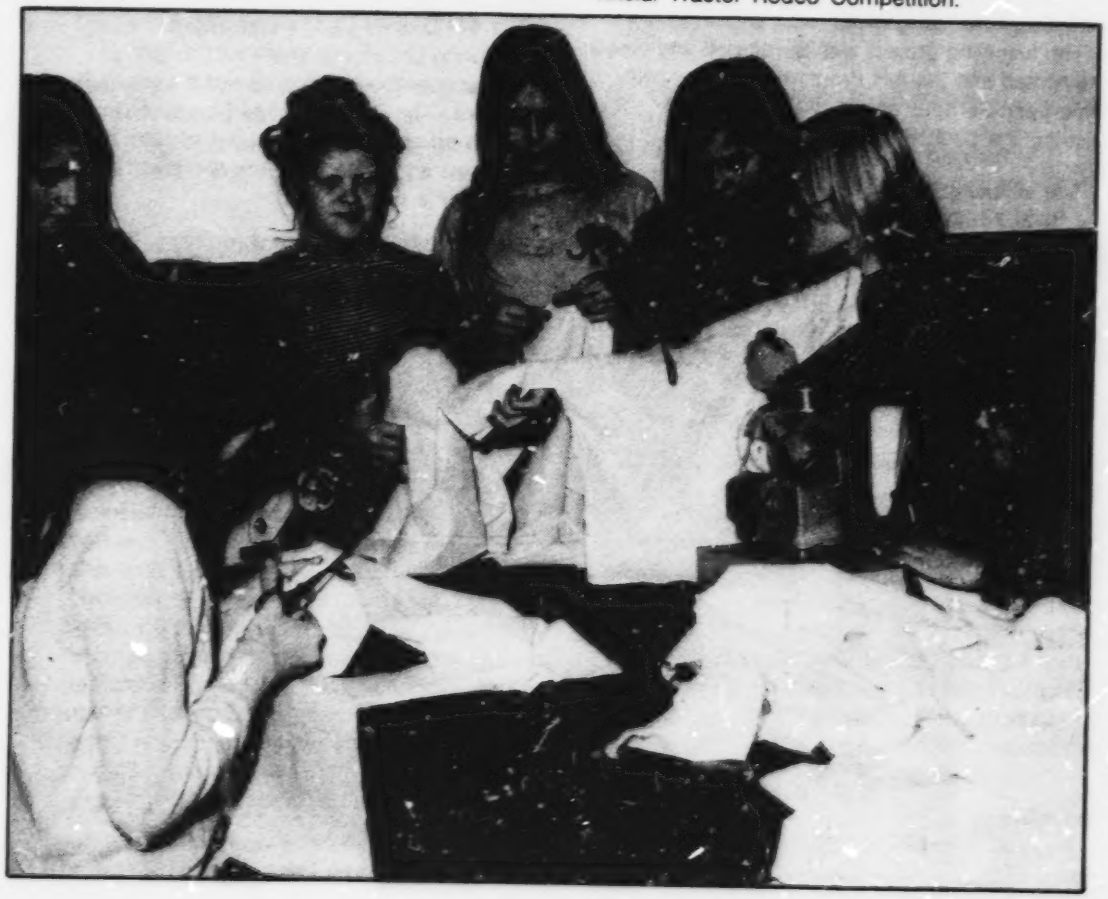
1. The 1981-82 Agricultural Projects Committee ear tagged all 4-H calves and maintained a list so calves could be checked off at exhibitions.

2. The 1981-82 Committee continued support of the Maritime Winter Fair.

3. The 1982-83 committee sent one delegate and one leader to the United States National 4-H Dairy Conference.

4. The 1981-82 Committee helped develop and approve the new Forages Project.

5 The 1981-82 Committee established a Provincial Tractor Rodeo Competition.



6. The 1981-82 Committee promoted the existing Agricultural Projects.

4-H Day at the Maritime Winter Fair

Prince Edward Island, New Brunswick and Nova Scotia again sent delegates to compete in classes at the Maritime Winter Fair. Twenty-one 4-H members represented Prince Edward Island in Moncton.

4-H Agricultural Projects, Leader's Guides and Resource Materials

The following project was developed and implemented into the 4-H Program for the upcoming year: Forages and in the West Prince District, the pilot: Rabbit Project.

The annual issue of the Exhibition Book and the Rural Youth Fair Book were also printed and distributed to all 4-H members and leaders.

Also available to the 4-H leaders, members and staff at the various district offices, are a variety of resource materials to assist with any of the agricultural projects.

United States National 4-H Dairy Conference

The Prince Edward Island Department of Agriculture, the Provincial 4-H Council, the Hillsborough A.I. Club, the Prince Edward Island Holstein Breeders, the Prince Edward Island Jersey Breeders, and the Prince Edward Island Junior Farmers collaborated to send two delegates (one member, one leader) to the United States Dairy Conference in Madison, Wisconsin.

Exhibitions

The 4-H staff were all involved in the 4-H programs of the following exhibitions: Summerside Lobster Carnival, Provincial Exhibition, Alberton Exhibition, Dundas Exhibition, Crapaud Exhibition and the Souris Exhibition. This involvement includes meeting with the Exhibition Associations, drawing up a 4-H prize list, arranging for judges of 4-H entries, clerking at the shows, presenting trophies and arranging for payment of prize money. It also involved the judging of 4-H entries in both Agricultural and Home Economics project areas.

Drop-In Centre

The 4-H Drop-In Centre was opened for six days during Old Home Week with a total of thirty-four members acting as hosts and hostesses. The Provincial 4-H Council Executive and leaders acted as chaperones at the Centre. 4-H entries and materials were displayed and refreshments were sold.

4-H Provincial Livestock Judging Competition

In 1982, the fifth Young Farmers' Livestock Judging Competition for 4-H, Junior Farmers and Young Farmers, was held on 4-H Day, August 10, of the Provincial Exhibition with 20 young men and women participating. The competitors judged nine classes — three beef, three dairy, one sheep and two swine.

The three winning competitors represented Prince Edward Island in November at the Royal Winter Fair in the National Livestock Evaluation Competition. Competing were representatives from other Canadian provinces and the United States. An Island competitor led the way, placing fifty individually out of 80 entries. Another Islander placed 22nd overall and had the highest individual score in the Sheep Shopping Competition which won a medallion presented by the Royal Winter Fair.

Overall, the Island team placed seventh nationally and combined as a team to win the Sheep Shopping Competition and were awarded the Ontario Veterinary Association Trophy for their efforts.

Judging Clinics

During May and June the Provincial 4-H office organized judging clinics. These clinics were open to 4-H'ers, Junior Farmers and Young Farmers to learn the judging skills necessary for the Provincial Judging Competition. There were four clinics which focused on 1) beef, 2) dairy, 3) sheep and 4) swine. Approximately 100 people participated.

Rural Youth Fair

The Thirty-Second Annual Rural Youth Fair was held on September 11 at the Provincial Exhibition Grounds. The Fair was opened to all 4-H members who had successfully completed their projects, with approximately 500 projects being exhibited.

An action packed program had over 300 4-H members participating in such events as a tractor rodeo, races, club displays, showmanship competition as well as horse, calf and sheep classes.

Tractor Rodeo

Provincial and District 4-H staff got together to coordinate a tractor rodeo at one exhibition in each of the following districts: Alberton, Summerside, Crapaud, Dundas and Souris.

The top Junior and Senior participants then came to Charlottetown to compete at the Rural Youth Fair.

Easter Beef Show and Sale and Steer Seminar

All 4-H members enrolled in the Market Steer Project in 1982 were required to attend the Steer Seminar at the Research Station. This

seminar took place two weeks prior to the Easter Beef Show and Sale. Steer Project members and other 4-H members (50 altogether) gathered at the Research Station for sessions on nutrition, grading and selecting market animals.

Thirty-two 4-H members showed at the Easter Beef Show. 4-H steers brought good prices per pound with a member from the North River Rainbow 4-H Club receiving the top money for the Grand Champion steer.

Sheep Clipping and Showing

Sheep and Shepherding Project members were all invited to a workshop on clipping and showing.

The Atlantic 4-H Committee was responsible for two programs this year — the Atlantic 4-H Conference and 4-H Day at the Maritime Winter Fair. The Prince Edward Island Department of Agriculture was represented in planning the 4-H Day at the Fair.

Farm Centre

4-H is represented on the Farm Centre Board of Directors. There are approximately ten meetings a year. At their 1982 Annual meeting, the Board revised their constitution to reflect their growth as an organization.

Assistance With District 4-H Programs

District 4-H events which 4-H staff from the provincial 4-H office helped organize and/or attend were as follows:

- District 4-H Council Annual Meetings
- District Project Workshops
- Charlottetown District 4-H picnic
- various 4-H District Council meetings
- Souris District Clipping Workshop
- Souris District 4-H Camp
- approximately 15 4-H Achievement Days
- district level Public Speaking and Demonstration nights
- club level Communications Nights
- district Island Foods Projects' meetings

Other activities attended in an official capacity were:

- Information session of volunteer organizations
- Easter Beef Show & Sale Banquet
- Federation of Agriculture Annual Meeting

Public Relations

Media

There were 52 4-H radio programs produced as a regular Saturday show and aired on the four local radio stations.

The 1981-82 monthly newsletter, "Leader's Line", was mailed to all 4-H leaders and district 4-H staff from the Provincial 4-H office. The various 4-H staff members prepared articles for the publication.

The Provincial 4-H staff also contributed articles to the Department of Agriculture's monthly publication, "CornerPost". As well, there were articles and press releases to the local media about various provincial 4-H activities.

Atlantic 4-H Committee

The Atlantic 4-H Committee is a sub committee of the A.P.A.S.C.C. Prince Edward Island had three people involved with this committee for the 1981-82 year.

Extension Services Branch

The Extension Services Branch efforts in 1982 were focused in three main areas:

1. Providing technical production and management information to farm families in the province through personal contact, information programs, workshops, seminars and other training events.
2. Delivering the Commodity Specific Incentive Program to Prince Edward Island producers through the Farm Development Section and the District Agricultural Offices supported by specialized members of the Extension Branch and the Department.
3. Delivering other policies and management services to farm families involved in livestock and cropping enterprises.

Detailed reports of the individual district offices and other sections of the Extension Services Branch follow.

West Prince District Office

Certain definite objectives were identified by the staff and attempts were made to concentrate in these particular areas.

Some of these examples were:

a) More time and effort in the area of Women in Support of Agriculture. This area was identified as one that could consolidate the rural family unit by more direct recognition of the wife as a real contributing and driving force on a farm unit.

b) Priority of "farm management" extension efforts. With the massive injection of grants since 1972 and borrowed capital, many farm operations have been hit with cash flow problems. The high interest rates and low returns for agricultural products have brought the problem to the forefront.

c) A more concentrated extension effort in the area of the "forgotten resource" in West Prince — "forages". The most important productive extension methods has been on a one-to-one basis. Extremely good progress has been made in these areas in the past two years.

d) Intensive management program areas such as D.H.A.S. The efforts in this area are very labor intensive but have very significant measurable results.

e) Working with groups of producers, as resource people, to assist them in achieving their goals and objectives through a collective process. Examples of some of these groups are:

i. West Prince Hereford Association,
ii. Prince County Annual Feeder Steer Show & Sale
iii. Prince County Livestock Exchange Cooperative
iv. West Prince Livestock Assembling Cooperative Ltd.
v. West Prince Industrial Commission
vi. West Prince Soil & Crop Improvement Association

Personal Contact

During the year, the number of clients the staff served at the office declined from 2,110 in 1981 to 1,919 in 1982. However, the number of farm calls increased from 1,348 in 1981 to 1,445 in 1982.

The largest increase in personal contact has been in the area of cash flows, budgeting, loan counselling, D.H.A.S. and field and crop extension work.

Short Courses

In the past year we held two farm machinery courses (two weeks on grain combines and two weeks on farm balers — 16 people) and had to cancel another four weeks of training due to the severe storm conditions in West Prince.

Information Sessions

Information sessions on a number of topics were held during the year — half day on potato ventilation; half day on taxation; one evening on Futures Hog Commodity Trading and one Agricultural Information Day (West Isle).

Other courses and training sessions had to be cancelled due to severe storm conditions in West Prince.

Soils & Crops Work

The West Prince Soil & Crop Association has been active during the year. The association held four directors' meetings, an annual meeting with 104 people participating and conducted 16 demonstration plots on 10 farms during the year. The plots consisted of variety trials with barley, oats, wheat, ryegrass (annual and perennial), alfalfa and bromegrass and, for the first time, some strawberry variety and fertility trials.

The Association promoted the chisel plow demonstrations in the area and did some work on the possible use of ultra light aircraft for spraying agricultural crops.

The Association presently has 104 paid up members with the numbers growing every year.

The brillion seeder had extremely good utilization this past year. During the summer, 39 different farmers made use of the seeder to seed approximately 288.5 acres of ryegrass, permanent pasture mixtures and forages. This year, of the 39 people who utilized the machine, 19 were first time users.

West Prince Livestock Assembling Cooperative

The cooperative had a very successful year of operation. Their year end financial statement showed that they surpassed all expectations for the volume of hogs shipped and that very few problems were encountered during the year's operations. The check off per hog was lowered by 5¢ as they had started to build up a surplus at the year-end. This has been a very successful venture.

The efforts of the West Prince Livestock Assembling Cooperative are now being focused on a better understanding of the implications and future direction with the announcement of the closure of Canada Packers.

West Prince Hereford Association

This Association has matured to the point where we only act as resource people, upon request. They meet regularly and appear to be a significant, positive impact on the direction of the beef industry in West Prince.

The first Feeder Steer Show and Sale was run very successfully in 1982. Plans are being made to hold another show and sale in 1983.

Prince County Livestock Exchange Cooperative

Attempts to organize a cooperative to take over Ralph's Livestock Exchange in O'Leary is progressing very slowly with some major hurdles to be overcome. The steering committee had met on a regular basis to assemble a package for the take over.

Tignish Blueberry Cooperative

Some very positive inroads have been made with the directors and members of the cooperative. The office has established a very good, constructive working relationship with the industry and they can finally see unlimited potential for the blueberry commodity in West Prince as a major factor in economic development of the area.

Miscellaneous Activities

Some of these activities were:

- working with some of the resource staff within the department in order to promote their programs and expertise;
- regular meeting and consultation with Professional and Small Farms Development Program staff;
- responding to enquiries from farmers and mass media in regards to crop reports, potato problems, and dairy quota problems;
- assisting farmers in completing application forms for gas rebates, lime subsidy, stabilization programs, certified seed policy, etc.;
- working closely with teachers in the school system in providing information and sources of information for agricultural courses;
- responding to requests from different groups and organizations for assistance and information. For example:
  - Prince County Exhibition
  - Prince County Plowing Match
  - Dairymen's Association
  - Federation of Agriculture
  - West Prince Industrial Commission
  - Women in Support of Agriculture

Farm Management

This year was a difficult one for farm families to manage successfully with a combination of low prices, high interest rates and inflation to cope with.

The Farm Management Representative completed 295 cash flows — mainly in hogs, dairy and mixed operations. Also, 56 loan repayment calculations, all through the CanFarm terminal.

Twenty-four clients have been maintained on CanFarm.

Numerous complaints from present clients have been received that CanFarm is becoming too costly.

Analyses have been completed of 23 farms to determine break-even levels on dairy, hogs and potato production.

During the year 12 credit conferences have been held with lender, farmer and office staff. These have included Credit Union, F.C.C., P.L.A., C.I.B.C. and Bank of Montreal.

Assistance has been given with partnerships setting up and dissolving, companies, potato field problems, potato ventilation and the fence act.

Office staff helped set up and complete application forms for lime subsidies, gas taxes, payroll records, filing systems and feed sampling interpretations, as well as handling 17 cull burial inspections, including six farmers who had to dispose of their crops this fall.

The West Prince Veterinary Hospital Board was active this year with three meetings being held and a number of problems being settled.

The 4-H program may be small but we have very active clubs who have made their mark on the Island 4-H scene.

West Prince had four 4-H clubs up until this fall with three clubs reorganizing for 1983: St. Edwards, Elmsdale and Duvar. These clubs have 20 leaders, 14 junior leaders and 68 4-H members.

Home Economics

Preparation of a list of resource materials, commodity kits, etc. that are available for use by Home Economics teachers in the area.

Participation in the Federation of Agriculture's Farm Energy Workshops on the topic—Saving Energy Dollars in The Kitchen.

Participation in the Foods Fantastic Programs in Charlottetown and Summerside on the promotion of Island foods.

Preparation of items for Country Corner and Country Kitchen featuring farm wives and commodity promotion recipes.

Working with district farm women in organizing workshops and meetings on management and leadership develoment topics. (Two District, one provincial meeting — 100 people).

Assisting with the organizing of 4-H clubs and the implementation of programs at the district level and with individual clubs, including a four day camp for 55 members with four leaders assisting district staff.

Responding to a wide variety of Home Economics requests on foods, nutrition and management topics from the residents of West Prince.

Pork Promotion with the West Prince Assembly Yard Cooperative and Home Economics' Teachers in Junior High Schools.

Provided information to West Prince Farmers' Market on a variety of crops, especially cole crops.

Providing information to the public through participation in regular district radio broadcasts and CornerPost articles.

Agricultural Activities and Statistics

Office Calls	-	1,919	
Farm Calls	-	1,445	
Meetings - No.	-	69	
Attendance	-	1,446	
Short Courses - No.	-	2	
Attendance	-	16	
Tours - No.	-	5	
Attendance	-	35	
CanFarm Clients	-	24	
L.D.C. & P.L.A. Plans	-	14	
F.F.C. Farm Plans	-	31	
Income Tax	-	41	
Gas Rebates	-	21	
Potato Burial	-	17	
Potato Bruising Tests	-	1	
D.H.A.S. Clients -			
Owner Sample	-	19	
Official	-	10	
Average Herd Production	-	11,650	lbs.
Average Increase Over 1981	-	650	lbs.
No. of Cows on Test	-	1,100	
No. of 4-H Clubs	-	3	
No. of Leaders	-	20	
No. of Junior Leaders	-	14	
No. of Members	-	68	

Summerside District Office

Commodity Situation and Activities

Dairy

A national reduction of milk consumption, improved feed quality and feeding programs and future uncertainties led to a severe over quota situation. With new entrants and planned expansions of established farmers reduced and eventually eliminated, emphasis was placed on improving management practices, feeding programs, labor efficiencies and management of a limited quota.

Extension Services

The D.H.A.S. (Program from Summerside only) in January 1982 handled 36 producers and in December handled 14.

Information Sessions

These sessions consisted of Mastitis Control for 170 producers; Computerized Breeding attended by 50 producers and Quotas (two sessions) for 15 producers.

Dairy Producers Association

The Annual Meeting was attended by 90 producers; the General Meeting by 25 producers and the Directors Meeting by six producers.

Calf Barn Demonstration Project — two producers and the Calf Hutch Demonstration Project — six hutches.

Beef

Depressed prices throughout 1982 have resulted in producers being forced out of business or reducing livestock on feed.

Extension Activities

Emphasis continued on Livestock Handling facilities (in cooperation with the Cattlemens' Association project funded under P.E.P.) processing cattle and nutrition.

Coordinated use of headgate and advised on fall management practices.

Responded to several inquiries re feeding cull potatoes.

Organized judging and showmanship clinic.

Coordinated recruitment of Eastern Prince membership to West Prince Hereford Association.

Other Livestock

Most significant increased interest is in the Fox Industry with a substantial number of new breeders. Numerous requests also received re: mink, horses, sheep, rabbits, bees and poultry.

Extension Activities

Coordinated Mating Selection Clinics for the Hudson Bay Company.

Coordinated Livestock Exhibitions at the Summerside Lobster Carnival and the Egmont Bay Exhibition.

Assisted with Community Pasture activities.

Prepared detailed poultry application for P.E.P.

Attended A.I. Annual Meetings at Summerside and Wellington.

Involved in two livestock complaints to P.E.I. Humane Society.

Potatoes

Depressed prices continue to be a major concern of the potato industry. 1982 could prove to be disastrous unless product prices increase substantially in early 1983.

Extension activities limited to a general type service, i.e. soil sampling, erosion control, weed and insect identification, spray recommendations.

Anticipated interest in improved ventilation systems did not materialize (as evident from C.D.I.P. Statistics).

Responded to requests for bruise detection on harvest equipment using Catechol.

Forages

Forages were harvested in a superior state in 1982 due to excellent harvest conditions. Large acreage of Annual ryegrass were seeded as a pasture crop. Corn acreages continue to decline in favor of increased acreages of grass silage.

Direct seeding of Alfalfa and Trefoil trials were very successful.

Extension Activities

Coordinated use of Brillion Seeder for 50 producers totalling 500 acres.

Hay Drier Information Session 50 producers attended.

Silage Management Information Session 50 producers participated.

Staff constructed a Barn Hay Drier for Demonstration Purposes (three staff for three days).

Coordinated Baler Maintenance farm calls.

Assisted to reorganize Soil & Crop Improvement Association (April 1982) — nine directors; six projects.

Cereals

Cereal yields were average, market prices lowest for several years. Staff continued to encourage the use of Certified Seed. A substantial

amount of time was spent interpreting the new soil analysis forms.

Extension Activities

Two Combine Adjustment Courses with six producers attending.

Other Crops

- Advised on establishment of Summerside Farmers' Market
- Discussions with Nutrite Chemicals re fertilizer analysis and recommendations
- Coordinated participation in Soil & Crop Tour for producers of the Summerside District
- Participated in Cole Crop Study
- Strawberries showed excellent yields in 1982 resulting in a very good financial year for producers but also heavy losses of berries due to a lack of markets and pickers.
- Raspberries suffered from the severe winter conditions resulting in most stands being plowed under.

NON COMMODITY ACTIVITIES

Farm Management

- Continued to counsel farmers in the area of farm records, record analysis, Farm Business arrangements, credit and asset transfers.
- Presentation at Farm Business Conference for Farm Women on "Farm Machinery - Repair or Replace".
- Presentation at Young Farmers Conference on "Computers in Agriculture."
- Presentation at Young Farmers Conference on "Department of Agriculture & Forestry Programs and Policies".
- District staff organized and presented commodity presentations at Annual Credit Conference — 60 participants.
- Farm Records & Financial Analysis Course (2 days - 10 participants).
- CanFarm - 14 accounts.
- Met regularly with staff of the Small Farm Program to coordinate activities.

HOME MANAGEMENT

- **Pork** — helped plan Swine Day Ladies' Program: — demonstrated three pork dishes — 36 ladies.
- Potatoes — set up display in Kinkora for Library Week — 50 people
- Strawberries — tasted recipes for a new publication
- All Commodities — display booth at Bedeque Days
- Foods Fantastic — From P.E.I.
  — Charlottetown demonstrated red meats — 330 people
  — Summerside — coordinated event, demonstrated red meats — 225 people
- Maintained with use of media, CornerPost, office displays throughout the year.

Women's Institute

The Women's Institutes in the Summerside area held a number of conventions and were involved in the following activities:

- five Spring Conventions 200 people
- two sessions at June convention 100 people
- two Fall Conventions 90 people
- three Sessions at Individual W.I. Branches 56 people
- Answered requests for meeting materials, typing, cookbooks, etc., throughout the year.
- One 15 minute radio tape for Q93.

Women In Support Of Agriculture

The District Home Economist worked on the planning committee for Farm Business for Farm Women Conference.

Conducted metric session at November Workshop in Kinkora for 48 people.

Answered requests throughout the year, i.e., information on organization of tours or workshops, guest speakers, advertising, etc.

Assorted Groups

- Holland College BTSD — General Nutrition — 33
- Unit 2 Teachers — Big Ideas Workshop — 18
- Bank of N.S. employees — Nutrition Month — 62
- Tops Convention — General Nutrition — 175
- Holland College Career Preparation — Basic

COMMODITY DEVELOPMENT INCENTIVE PROGRAM

- No. of applications received	162
- No. of applications rejected	7
- No. of applications approved	139
- No. of grants approved	145
- Total $ grants approved	822,423
- Average grant approved	$ 5,671
- Total Grants Paid	87,775
- Average Grant Paid	3,657

Money Management & Food Shopping Practices — 15
- Middleton Elementary Students Health Snacks — 57
- Federation of Agriculture session — Energy in the Home - 2
- Judging Crafts and Foods at Kensington Harvest Festival
- Mt. Carmel-Egmont Bay Exhibition
- Credit Conference - on planning committee, chaired evening session — 50

Media
- radio tapes — Sunday programs; Farm Report, 4-H — 62
- press releases — 10
- CornerPost articles — regular contributions to each issue
- 4-H District Newsletter
- Telephone requests on wide range of topics, including 4-H nutrition, food preservation, home decorating, consumer research, crafts, consumer complaints and more

4-H
- six District Council Meetings, plus one Executive Meeting
- two new clubs — Evangeline for 1981-82; North Granville for 1981-82
- one new club — North Shore — for 1982-83
- five club Communications Nights
- one District Communications Rally
- Lobster Carnival — coordinated exhibits, Horse & Pony event, Tractor Rodeo
- eight Achievement Days
- Judged articles for Provincial Exhibition, Rural Youth Fair and Mont Carmel-Egmont Bay Exhibitions.
- 10 issues of 4-H News distributed to district members and leaders
- answered requests for books, materials, information

Engineering
- 1) Organized Farm Welding Course with 10 participants
- 2) Other engineering activities covered in Engineering Section Report

Associations

The staff of the District Office continued to work closely with the Dairy Producers Association, A.I. Association, the Federation of Agriculture, W.I., 4-H, W.S.A., Pork Producers and Soil & Crop Improvement Association in an advisory capacity.

Exhibitions

Staff advised and assisted Exhibition Associations at Charlottetown, Summerside, Crapaud and Egmont Bay.

Equipment Rental Service

The District Office loans or demonstrates specialized livestock and crop management equipment to farmers.

Considerable interest and use has been made of the sow pregnosticator, dehorners, soil probes, implant guns, measuring wheel, livestock headgate and calves, Brillion Seeder, cereal and forage moisture meters, etc.

Charlottetown District Office

The office participated in the following activities:

Courses

- Baler Adjustment Course; Stanchel, June 7-11, eight balers
- Baler Adjustment Course; Bethel, June 14-18, six balers
- Combine Adjustment Course; Wheatley River, August, seven combines
- Individual adjustment calls made to eight other farms.
- Plow Adjustment Course and Chisel Plow Demonstrations in Stanchel, two plows, 14 farmers — October 13.
- Sprayer course in Emyvale, June 4th — four farmers.
- Forage Crop Production — six night sessions — winter of 1982 15 farmers took the course, 12 completed projects such as variety and fertilization trials during the summer.
- Dairy Management and Herd Health Course — four sessions held in 1982 with 20 participants.

Workshops — One Day Information Sessions

- Fur Breeders' Information Day — helped plan and organize afternoon session — 45 people in attendance.
- Beef Handling Facilities & Management Practices — four two hour demonstrations in Cornwall, Oyster Bed Bridge, Ft. Augustus and Cherry Valley — November 9th and 10th — total 45 farmers in attendance.
- Farm Energy Workshops — staff presented a session on saving energy in the home at two of these.
- Transferring the Family Farm — two sessions in November — one in Cherry Valley and one in Pleasant Valley — total of 32 people in attendance — organized in cooperation with local W.I.'s.
- Young Farmers' Conference — involved in organizing dairy workshop and tour.
- Two Kitchen Clinics — one on mastitis and milking equipment — six farmers — one on raising dairy replacements.
- Stress Workshop — organized by district — 12 farmers in attendance.
- Calf and Heifer Raising Tour with Department staff as resource people.
- Taxation Information Workshops — several run in January, February and March of 1982 — one in Crapaud, November 22 — eight in attendance.
- Session on Wills — May, 1982 — 15 in attendance — a lawyer was resource person.

Presentations

- Blueberry Growers on Capital Grants Program — 40 attending
- Junior Farmers on Taxation — 40 attending
- Various presentations to farm and consumer groups:
  Best Value for Your Food Dollars
  Managing Meals for Today's Lifestyle
  Basic Nutrition
  School Lunch
  Quality Foods
- Mastitis Management — as a part of training session for small farm workers
- Foods Fantastic Demonstrations — in Charlottetown and Summerside — total of 500 in attendance
- Set up commodity displays for Provincial Exhibition.

Media

- Three TV interviews: Farm Business Arrangements; two on Home Economics topics.
- Numerous radio shows for Information Section
- Numerous articles for CornerPost
- Coordinated Country Corner and Country Kitchen for local newspapers
- Coordinated the Food News page for CornerPost
- Two five minute shows per month for FM radio.

Capital Grants

Processed applications and claims.

Other

Involved in: An F.C.C. appeal;
- three credit conferences
- two sessions of Estate Planning on the farm
- individual counselling on record keeping

- did cash flows for several farmers
- 4-H manual on field crops written
- tested recipes for egg publication
- provided recipe suggestions for W.I. cookbook
- attended two workshops, district conventions and annual conventions for W.I.
- responded to about 1500 consumer requests
- worked at Crapaud and Egmont Bay exhibitions, Old Home Week and Rural Youth Fair

- assisted with three productivity Enhancement Projects:

- Economical Hay Silage: planning, monitoring; audio-visual tape and slide presentations prepared

  - Computer Feeding on Dairy Farmers (project not yet underway)

  - Raising Dairy Replacements (project rejected)

- Calf Hutches — two demonstration hutches put on farm; evaluation continuing

- Federation of Agriculture — working with local federation to cooperate in training sessions

- Milking equipment checks were carried out.

4-H

- Charlottetown District staff were active in promoting and carrying out 4-H leadership activities during 1982. The following is a list of some of the major programs and statistics:

- **Club Reorganization**
  In 1981-82 15 clubs were in operation in the Charlottetown District, with a total of 405 members. In the fall of 1982, clubs were visited by District Staff to explain many new projects.

- The Breakdown of clubs is as follows:

Clubs	1981-82
Cavendish	30
Cherrycliffe	15
Crossroads	20
Dunstaffnage-Marshfield	28
Fort Augustus	32
Hampshire	15
Mermaid-Mt. Herbert	50
Millview-Vernon River	29
North River Horse & Pony	8
North River Rainbow	27
Pleasant Valley	17
Queen's Royal Riders	10
St. Ann's	31
Wheatley River	29
Winsloe-Brackley	22

Leadership Training Workshops

- One of the most important activities carried out in the Charlottetown 4-H Program is that of Leadership Development by means of workshops, public speaking, demonstrations, etc. These activities are carried out through joint cooperation of 4-H District Councils, junior and adult leaders and district staff.

  a) Junior Leaders and Leaders Communications training workshop for 20 in January.

  b) Executive Training Workshop for 30 members of club executives in December.

  c) Mini Workshop at council meetings during the year on reorganization, demonstrations, 4-H awards, 4-H councils, etc.

4-H Council Events

- The following events were carried out by committee members, executive members and district staff:

  a) The Charlottetown District 4-H Council met every second month throughout the year with the exception of the summer months. The executive met two weeks before each general meeting to arrange agenda and plan the program. Program plans for 1982 were drawn up by the executive and approved at the Annual Meeting in September.

  b) Bowling for all ages for approximately 300 in January.

  c) Leaders' Banquet in March for 100 leaders and spouses.

  d) The council sponsored three area public speaking and demonstration rallies and the district rallies in late May.

  e) Council chose Cavendish 4-H as "Club of the Year" and the "Most Improved Club of the Year" was Dunstaffnage-Marshfield.

  f) Fifteen members won National Award Trips and five leaders travelled to other provinces.

Achievement Days

- District office staff assisted with Achievement Days for each club by judging, calculating score and distributing certificates for projects.

Public Speaking & Demonstrations

Most members, in the Charlottetown District, completed a public speaking or demonstration project. Awards were presented to the winners of the district rallies at the Annual Council Meeting in September.

Montague District Office

Introduction

The year 1982 brought changes to the Montague District Office. The Agricultural Representative transferred to the Charlottetown Office as Livestock Supervisor; an Agricultural Representative transferred from Souris and a Farm Management Representative joined the staff.

Statistics

Total Farm—Home Calls	459
Total Office Calls	820
Total Telephone Calls	1,917

Courses, Tours, Workshops

Using Light Horses for Extracting Firewood (two days); Forage Course (four sessions); Financial Management Course (five sessions); Financial Management Topics (five sessions); Tractor Maintenance Course (seven sessions); Forage Equipment Clinics (one week); Futures Markets for Hogs (one evening); Combine Clinics (one week); Calf and Heifer Raising tour (one day); Woodlot Management Tour (one afternoon); Sire Selection Barn Meeting (one afternoon); Farm Transfer and Partnership (one morning); Accounting Counselling Session (one family) conducted by a Chartered Accountant.

Department Programs

The Commodity Development Incentives Program, Policy 30 started the first of the new year. The majority of staff time as taken up working on this program. A positive aspect from our situation is that it gives us contact with, and exposure to, great numbers of farmers in our district.

We continue to advise on and assist clients to file applications for all departmental programs and policies as well as other policies and programs, both provincial and federal. Depending on the situation, i.e., when the beef stabilization program was in effect, this can take considerble time.

Food and Nutrition

Work has included promotion through arranging tours and sessions, preparing a slide tape show and displays for Foods Fantastic and preparing a pamphlet on Cole Crops.

A Home Economist acts as nutrition resource person for the Department by reviewing food pamphlets; answering staff's questions; commenting on proposals and attending meetings re food labelling, Nutrition Foundation, Canada's Food Guide and so on; serving on the Atlantic Committee on Nutrition and attending and reporting on the Federal-Provincial Extension Food Specialists Workshop held in Toronto this year.

Food and nutrition education activities included conducting a Big Ideas Workshop and attending an Energetics Workshop, judging food classes at exhibitions and working with a committee on nutrition education for Home and School Associations.

School Milk Program

The greatest single demand on Home Economics time (37%) is the P.E.I. School Milk Program. Duties included developing a nutrition education calendar and promotional activities, working on a research project, acting as secretary and director for the School Milk Foundation at its meetings, reporting on the program at two out of province meetings, preparing the annual report, and making visits and phone calls to the schools.

Farm and Home Management

This office continues to service 15 CanFarm clients. Several financial record books were distributed along with production record cards and books as well as assistance given to individual farm families in setting up record keeping systems. A successful Credit Conference was held for a new farmer.

The staff spent a considerble amount of time counselling and coordinating several farm transfers.

Numerous individual requests were handled on all aspects of farm and home management.

Small Farms Program

There are two and one half part-time resource workers in the Montague District. An attempt to work with them in a supportive manner has been made. Contacts with the two whose clients are within our boundaries have been on a regular basis.

Working With Individuals

Staff handled inquiries from farmers on a wide range of production and management topics and problems.

A Windbreak Crew of four, then three, summer students was located in Montague from June 7 to August 20, 1982 and were supervised by the Agricultural Representative. They completed 37 windbreak plans.

Through the spring, summer and fall, staff handled various inquiries from home gardeners on insects, weeds, disease and gardening.

They were also involved with a number of fence line disputes and handled several aerial spraying complaints. Specialists were involved where necessary.

Windbreaks were planted on two tobacco farms as demonstration projects.

The Home Economist handled consumer requests on a wide range of topics, most common were on foods related topics.

Working With Groups

Staff worked directly with Soil and Crop Association and also had considerable involvement with 4-H.

A staff member is responsible for the district 4-H program and coordinates the involvement of all staff in reorganization, communication, Achievement Days and special projects.

Local branches of Women's Institutes; Southern Kings and Queens branches of Women in Support of Agriculture; Montague District Federation of Agriculture and Montague District Dairy Farmers were also supported.

Occasionally, staff act as resource persons to various community organizations and schools.

Media

Staff regularly write for CornerPost and have been preparing the centre calendar for CornerPost each month.

Every fifth Sunday throughout the year, the Staff organized interviews, and/or were interviewed, for the Montague District Show. Interviews for other radio programs were done as required.

Staff have contacts with the local media on occasion. The District Home Economist arranged with local farm women for newspaper feature stories.

General

Staff participated in provincially sponsored courses, workshops, conferences, etc. e.g. Farm Business For Farm Women, Young Farmers Conference, Swine Day, Soils Seminar in various ways through presentations, assisting in planning, hosting, chairing and so on.

Our office once again served as the depot for Cleanup Day garbage bags.

The District continued to loan various pieces of equipment to farmers for livestock and soil management purposes. In August, the office began providing space for the Swine Breeders' semen tank.

The office staff assisted in various ways at Dundas and Souris Exhibitions and the Annual Tobacco sale.

A staff member is acting as departmental contact for the International Agricultural Exchange Association which involves interviewing applicants and maintaining liaison with national and international offices. Also participated in the Junior Farmers of Ontario Livestock Management Tour as leader for P.E.I.'s Judging Team at the Royal Winter Fair.

Soil and Crop

Montague District Soil and Crop Improvement Association had a busy year. To outline their activities, excerpts from the President's Report follow:

"Two excellent information sessions were held last spring: Weed Control and Report from the Ontario Manure Management Seminar, on March 25 with 27 farmers attending, and Grain Drying, with 30 in attendance, on march 31. On July 26, 1982 a very enthusiastic group of some 25 members and other interested persons visiting several excellent district projects.

A Chisel Plow Demonstration was held in Heatherdale on October 6 with an excellent turnout of some 45 farmers.

The Directors were very pleased to acquire access to, through the P.E.I. Department of Agriculture, an 8 foot Brillion cultipacker seeder for use in the Montague and Souris Districts in 1982. A total of 423 one half acres were seeded on 39 farms in the two Districts — with Montague having 330 acres put in on 30 farms, or 78% of the use. About half of this acreage was seeded to annual ryegrass. The $2 per acre charge will hopefully suffice to cover repair and maintenance.

Montague District
Soil & Crop Improvement Association

Members	-	52
Directors' Meeting	-	4
District Annual Meeting	-	1
Attendance at last Annual Meeting		62
General Meeting	-	1
Attendance at General Meeting	-	8
Information Meetings	-	2
Attendance at Information Meetings	-	27-30
Tours	-	1
Participants on Tours	-	25
Demonstrations	-	1
Attendance at Demonstrations	-	45
Farmers with Projects	-	11
Individual Projects	-	15
Newsletters	-	4

4-H

Montague District 4-H Council and Clubs continue to be active and effective with seven clubs and a total enrollment of 119 members.

- Activities organized by the Council during 1981-82 were:
  a) Ice Sports at Iceland Arena.
  b) Sale of raffle tickets.
  c) 4-H Float in Montague Canada Day Parade and in the Belfast Parade.
  d) Junior Leaders' tickets for a Georgetown Theatre production.
  e) Tour to the National Park which included a visit to the Wax Museum and the Enchanted Castle.
  f) Fun Day and Worship Service at Fantasyland.
  g) Leaders' Appreciation Night at the Lower Montague Hall, which included supper and dance.
  h) Renovations were made to the old kitchen at the Dundas Exhibition grounds, to house a 'permanent home' for 4-H displays.
  i) Members took advantage of provincial tours and conferences.
- A 4-H member from the Brooklyn-Heatherdale Club won the Provincial Single Demonstration and did an excellent job of representing the Montague District in Halifax.

Souris District Office

Administration

At the beginning of the year, an Agricultural Representative transferred to a similar post in Montague.

Forestry technicians used the services of the district office on a once a week basis. This was due to year end changes in the structure of the Department.

In Addition, the Small and Limited Resource Farm Development Program has two resource workers who have access to all resources of the District Office.

General

The 1982 year saw the implementation of the Commodity Development Incentives Program. Although there was interest in the program, the number of applications handled was relatively low. This was attributed to high interest rates early in the year and in general an overall trend of low commodity prices. Activity occurred mainly in the area of improved grain storage and forage handling systems.

The Small and Limited Resource Farm Development Program was expanded in 1982. This expansion resulted in two resource workers being hired to work in the Souris District. Close contact is maintained with these workers to review their clientele case load and to respond to their requests for assistance.

Office Statistics

Office Visits	1,168
Farm & Home Visits	232
Phone Calls	5,433
CornerPost	12
4-H Newsletter	9
- Total Circulation	1,089
Farmers on CanFarm	7
4-H Clubs	8
- Registrations	127
- Project Completions	108
Newspaper Articles -	
Home Ec.	2
Agriculture	2
Radio Tapes	
- Home Ec.	7- 9 topics
- Agriculture	8-29 topics
Soil & Crop Newsletters	4
Circulation	196
Circulars	49
Total Circulation	1,777

Livestock

The end of the dairy year in July saw many producers running over quota. With the same situation a high possibility for 1982-83, many producers will have to adjust management accordingly.

Extension efforts for dairy were in the areas of raising heifers, calf housing and also coordination with provincial efforts in mastitis management.

Inquiries were also received on pregnancy checking through use of milk samples.

A number of beef producers have taken advantage of incentives to construct handling facilities. An on farm demonstration was held to promote these facilities as well as discuss herd health management practices.

Overall, there has been a trend for increased livestock numbers in dairy, beef, swine, sheep and foxes.

A horseshoeing session for horsemen in St. Peters was successful.

Soil and Crops

District farmers continue to concentrate on improving hay quality going into storage. Barn hay driers, alfalfa production and improved fertility are part of this program. Farmers are also finding outside storage of large round bales is not proving satisfactory for local conditions.

The Soil & Crop Improvement Association expanded the number of forage variety plots. Interest was also shown in cereal varieties and peas.

The problem of ragwort infestations remains a major concern and intensive control systems will have to be determined and demonstrated.

District Staff were once again involved in the Aphid Alert Service. A local farmer maintained the Blight Forecaster and supplied data to neighbours on request.

A number of farmers are taking advantage of the Soil and Crop Association Program on winter cover crops and soil management and conservation.

Two very successful Chisel Plow Demonstrations were held in Morell and Kingsboro. Some farmers have had these pieces of tillage equipment for several years while others recently purchased or are considering purchasing chisel plows.

Local potato growers have been involved with the construction of potato loading facilities in Souris. A company sponsored farm tour on microbial soil innoculants was a well attended event.

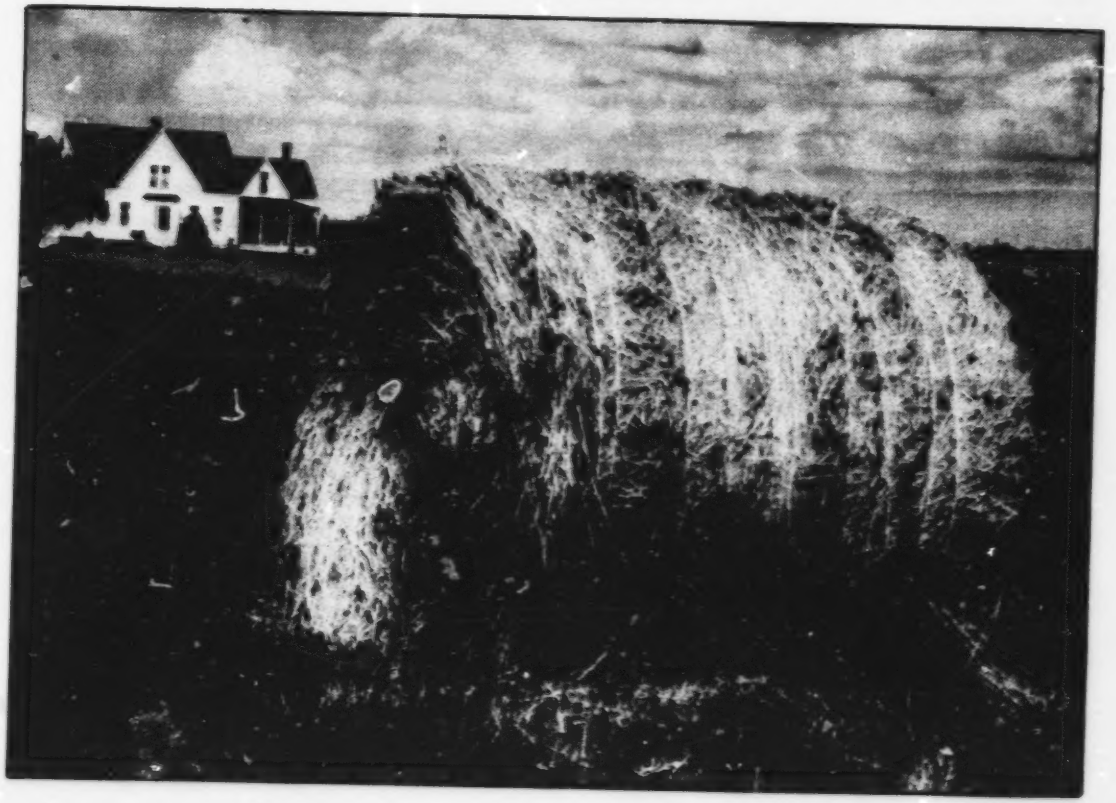
The town of Souris, through its Main Street Program, is organizing and promoting interest in a Farmers' Market. Office Staff has and will continue to assist.

Souris District Soil & Crop

In 1982 there were 35 members. The Directors met four times to plan Soil and Crop events plus one joint meeting with the general membership to discuss field plots and projects.

Six members participated in 14 crop projects. Several of these projects consisted of alfalfa plots carried over from 1981. Results on yields, etc. will be available in the new year.

This past spring, the Souris District Soil & Crop Association shared the use of a new Brillion Seeder with the Montague District. While



in the District, nine farmers used the machine and seeded 103 acres of forages. The total for both Souris and Montague Districts added up to 320 acres. Of this, 195 was to annual ryegrass, 104 acres to various hay mixes and 52 acres of alfalfa or alfalfa/grass mixtures. A number of other forages were also seeded.

During the past year, a number of meetings and events were sponsored by the Association. In March a meeting on Grain Drying Systems was held jointly with Montague. Approximately 30 members were in attendance. Two general meetings, one in Souris and one in Morell, were held to inform members of assistance for innovative projects under Agriculture Canada's Productivity Enhancement Program. Also discussed was the Soil Management and Conservation Project approved for the Provincial Soil and Crop Association.

Souris District Soil & Crop Improvement Association	
Members	35
District Directors	6
Provincial Directors	3
District Directors Meetings	4
District Annual Meeting	2
Information Meetings	4
Attendance District Annual Meeting (27 & 50)	77
Attendance Information Meetings	46
Chisel Plow Demonstrations	2
Attendance Chisel Plow Demonstrations	80
Farmers with Plots (Including 1981 carry overs)	6
Individual Plots (including 1981 carry overs)	29
Acres of Plots (including 1981 carry overs)	46
Brillion Seeder	
- Farmers Using	9
- Acres Seeded	103

In August and again in October, the District Soil and Crop, as well as two local farmers and the Provincial Association, sponsored a demonstration of chisel plows. Approximately 80 farmers attended.

As an ongoing project, the local Soil & Crop Association is selling soil probes. These are purchased and re-sold at cost to interested farmers.

Engineering

Specialist staff were used to provide assistance on farm building construction and renovation, land clearing renovation and drainage.

Various plans and recommendations were provided.

Machinery Maintenance Clinics were again offered and were very popular with farmers especially in the areas of haying equipment and grain combines.

Farm Management

The majority of farm management work was included in the development of farm plans for the Capital Grants Program.

Areas of concern were credit arrangements, record keeping and farm income tax concerns.

Counselling of individual farmers on partnership accounting, partnership agreements and farm transfer was quite detailed in a number of cases.

Staff continued to act as CanFarm agents for seven clients.

Short Courses & Meetings

Horseshoeing, St. Peters (10); Weed Control in Forages and Cereals (23); Home Gardening Workshop (6); Grain Drying Systems (30); Welding Courses, Morell (10); Haying Equipment Clinic (17); Combine Clinic (14); Potato Equipment Clinic (2); Chisel Plow Demonstrations — Morell (45), Kingsboro (35); Beef Handling and Herd Health Demonstration (9); Dairy Calf and Heifer Tour (8); Milking Equipment Checks (2); Fox Selection (6); Information Session on Wills (15); Information Session Microwaves (14); District Dairy Producers Annual Meeting (14).

Other Events Involving District Farmers and Staff — Provincial

Five Farm Energy Workshops, Souris (24); Soils Seminar — Management and Conservation; Dairy Seminar — Mastitis Management; Silos and Silo Management; Young Farmers Conference; Farm Business for Farm Women; Swine Day; Potato Day.

Home Management

Foods & Nutrition

Assist clientele in providing a nutritionally adequate diet for their families by making the best use of their resources.

Microwave Cooking Demonstration organized and assisted with 14 participants.

Food Buymanship Session with Nutritionist from Social Services for Social Services clients.

Nutritious Snacks — Souris, 10 persons.

To assist in creating an appreciation of the use and value of agriculturally produced foods and their relationship to overall good eating habits.

Foods Fantastic — worked on preparation of slide tape presentation on Island agricultural products and also ideas for servicing these foods. Also assisted in setting up displays on agricultural products of P.E.I.

Guardian Features — set up interviews with four farm wives for new newspaper features.

Helped farm families acquire knowledge, attitudes and skills to effectively manage and utilize their income and other resources to obtain the benefits that the family desires from life.

Saving Energy in The Farm Home — Federation of Agriculture: Presented segment dealing with saving energy in the kitchen. Chaired sessions on Sideline Incomes at the Young Farmers Conference.

Chaired session on Insurance at the Farm Business for Farm Women Conference.

Session on Wills with a lawyer as resource person — organized and attended — 15 persons.

Sessions on Credit for W.I. Provincial Convention — 11 ladies.

Community Relations

To respond to community groups requesting assistance in the delivery and advancement of home economics related activities which are in line with departmental objectives and priorities.

Elementary Schools — presentation on Cooking Wild Fowl for Wildlife Day at Souris Consolidated — 55 students.

Exhibitions — judged home making articles at Souris and Dundas Exhibitions.

W.I.— attended one convention planning meeting with nine in attendance; attended two W.I. Conventions, Areas, 11 and 12, combined attendance of 89, and attended Provincial Convention and delivered a session on Credit.

Consumer Requests — received under the following headings: Foods and Nutrition; Clothing and Textiles; Buymanship; Home Management and General. Total number of requests — 423.

4-H

1982 began with 8 clubs under way for another year and a total membership of 127 members. A total of 108 projects were completed.

In the fall of 1982 a new District Horse and Pony Club was organized. Unfortunately one of our smaller clubs decided not to reorganize. The district has eight clubs.

Activities

District staff assisted clubs with reorganizational meetings, preparation for communications competitions, actual judging of communications competitions and individual club Achievement Days. Some clubs also asked for and received individual help with executive training.

Numerous requests were received directly from 4-H leaders and members regarding project and other 4-H activities.

District staff attended nine regular District 4-H Council meetings in addition to the Council's Annual Meeting and Special Executive Meetings. Also attended Provincial Council Annual Meeting.

District staff assisted with and, in some cases, organized various Council Programs, including 4-H District Ice Sports, District Livestock Achievement Day at the Souris Exhibition, District Tractor Rodeo at the Souris Exhibition, District Communications Competitions, District Dairy Judging and Showmanship Workshop, Club of the Year Activities, hiring a bus for the Rural Youth Fair, 4-H Float for Souris Santa Claus Parade, Remembrance Day Activities, District Camp for 30 members, worked one day at the Provincial Camp, National Award Trip Interviews and District Family Fun Day.

Staff from Souris and Montague worked together on new 4-H facilities at Dundas Exhibition. They also judged and displayed Home Economics exhibits and assisted in tabulating prize money allocations for the Exhibition.

A staff member assisted in one Provincial Travel Workshop (Citizenship Seminar) and assisted in chaperoning P.E.I. delegates to the Atlantic 4-H Conference in Halifax.

Aside from District 4-H activities, our District Home Economist assisted with various provincial 4-H activities. Included in this was work with the provincial 4-H Home Economics Project Committee — preparing agenda, circulating meeting notices and writing the minutes. Other work included part-time supervision of Home Economics summer students and assisting in writing up job descriptions for these summer students; assisting with 4-H Day at the Provincial Exhibition — judging Home Economics articles, clerking, setting up displays, organizing trophies for livestock show and helping with the judging competition; helping with the Rural Youth Fair — including clerking, setting up displays, assisting with parade of champions and games.

Revising Home Economics project books and leaders' guides and supervising summer students, also revising other project books such as: Weaving Project Book and Leaders' Guide, Macrame Project Book and Leaders' Guide, Nature Crafts Project Book and Leaders' Guide, Seasonal Decorations Project Book and Leaders' Guide and "Sew You Want To Sew" Project Book and Leaders' Guide.

Project work also included revising the Home Economics portion of the Exhibition Book 1982 and as well, the Leaders' Manual for 1983.

CODE	PROJECT DESCRIPTION	NO. APPROVED	APPROVED GRANT	NO. CLAIMS	PROJECT CLAIMS
	BREAKDOWN OF GENERAL PROJECTS				
A01	Beef Barns	47	$ 128,234	10	$ 23,617
A02	Dairy	68	169,768	13	46,235
A03	Horse	1	1,000	—	—
A04	Pack	3	13,481	1	8,731
A05	Piggery	40	120,226	6	19,671
A06	Poultry	2	2,250	—	—
A07	Sheep	4	7,250	—	—
A19	Other barns	21	57,129	6	15,445
A20	Greenhouse	16	47,225	1	3,848
A21	Granary	21	20,272	1	505
A22	Machine Shed	45	130,260	10	24,931
A23	Milkhouse	14	17,373	3	1,636
A24	Mink/Fox Shed	45	53,720	10	9,345
A25	Silo	15	49,850	2	16,952
A26	Warehouse	40	190,975	13	70,321
A27	Kiln	13	58,614	9	37,882
A39	Other buildings	70	111,891	16	33,834
A40	Alternator	31	20,988	6	3,935
A41	Barn Cleaner	24	40,315	6	12,359
A42	Bulk Tank	11	7,548	3	2,237
A43	Cultivating Equipment	40	17,554	22	8,919
A44	Electrical System	17	10,498	9	4,813
A45	Grain Equipment	48	47,123	16	17,686
A46	Harvesting Equipment	27	39,424	15	22,796
A47	Haying Equipment	138	118,953	69	58,537
A48	Irrigation Equipment	—	—	—	—
A49	Loader	10	7,574	3	3,900
A50	Manure Equipment	43	41,298	14	15,139
A51	Milking Equipment	43	63,184	23	30,456
A52	Potato Equipment	54	55,931	33	30,957
A53	Tobacco Equipment	17	10,500	3	3,262
A54	Tractor Equipment	33	86,228	17	42,984
A59	Other Equipment	127	108,727	44	38,265
A60	Brood Mares	2	1,000	—	—
A61	Beef Cattle	33	44,460	13	17,786
A62	Dairy Cattle	86	183,735	32	64,241
A63	Foxes	43	39,007	12	13,912
A64	Goat	1	500	1	500
A65	Mink	13	10,152	5	3,237
A66	Poultry	—	—	—	—
A67	Sheep	8	4,438	2	2,100
A68	Swine	30	27,986	7	7,742
A79	Other Breeding Stock	—	—	—	—
A80	Land Clearing	41	34,294	7	3,306
A81	Land Drainage	17	12,758	—	—
A82	Land Renovations	4	9,125	—	—
A83	Manure Storage	17	20,025	5	3,888
A84	Trees	—	—	—	—
A89	Other Land Improvements	2	650	—	—
A90	Farm Lanes	1	375	—	—
A91	Fencing	6	2,500	1	183
A99	Other Farm Activities	5	3,944	2	409
	TOTAL	1,437	$2,250,312	471	$726,502

SMALL AND LIMITED RESOURCE FARM DEVELOPMENT PROGRAM 1982-83

This program was originally initiated by the Department of Agriculture in 1980.

The first stage of the program was carried out in 1980/81 under the supervision of Raynall MacNeil. It was to initiate an on farm extension service emphasizing economic development opportunities specifically designed for small and part-time farm operations. It was initiated on a farm family/resource worker basis. The initial acceptance of the service was encouraging.

In April 1981 additional support for the effort came from the Premier's Office. A small Farms Advisory Committee was created. It carried out a work effort in 1981 and recommended to Government that an increased effort be made regarding a Small Farms Development Program. As a result, additional funding was made available to the Department of Agriculture. An Advisory Board was formed to provide the Minister of Agriculture with community feedback regarding this program.

This year the program is primarily a specialized on-farm extension service offered to the target group. The basic mechanism is the use of Agricultural Resource Workers selected from the community where they live, trained in human relations and matched with a specific caseload of small and part-time operators who volunteer for the service. The workers are providing a personalized on-farm extension and economic development service. They are helping farm operators at their place of business.

The Resource Workers are helping operators define agricultural opportunities and initiate farm plans. They also serve as a vehicle to help bring all available and appropriate government goods and services to the small farm.

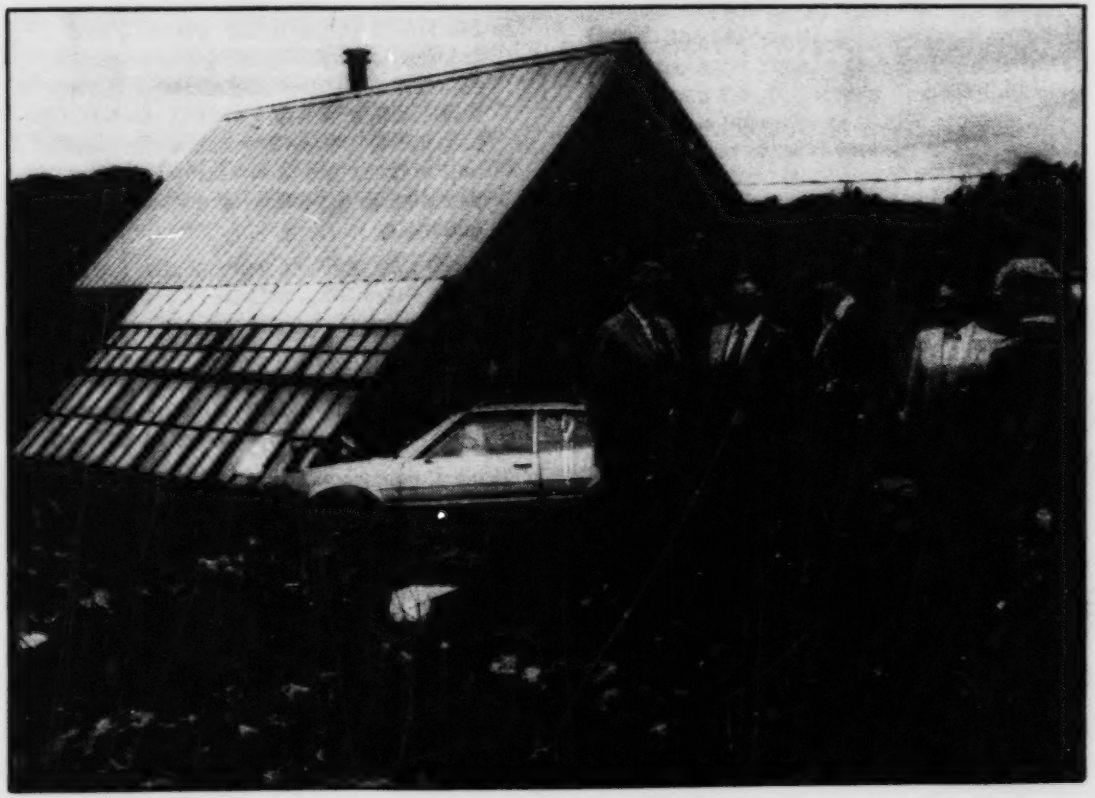
This program adds another dimension to the Department's extension effort. It is aimed specifically at small-scale agricultural development efforts. It is bringing small-scale agriculture ventures closer to the mainstream of economic development in Prince Edward Island.

There are at present eleven trained Agricultural Resource Workers geographically distributed throughout the Province: four in Prince County; four in Queens County; and three in Kings County, with an average of 22 farm families each. The caseload is almost 240 families.

These Agricultural Resource Workers have a diversity of strengths and capabilities which can be offered to small-scale farm families. They have a great deal of practical experience in farming themselves, and working with farmers.

Working on a part-time basis, the Resource Workers found small farm operators are particularly interested in expanding their efforts in a number of areas. They are:

- blueberry production
- forestry management
- orchard establishment



- building renovation to accommodate a different commodity or for expansion
- new bars for small livestock (sheep, etc.)
- vegetable production and handling facilities for small-scale acreages
- cooperation in small-scale farm commodity production
- cooperative marketing systems for small-scale producers
- raspberry and small fruit production
- forage and pasture improvement
- balanced rations using own grains
- sustainable or ecological agriculture
- fox farming
- maple syrup and honey production
- trout raising
- energy conservation programs
- minimum tillage
- new concepts in production and management of various commodities.

The people who served on the program are those who generally have not been regularly using the Department's services. The on farm services offered by the Workers include providing information on:

1) Soil testing procedures and assistance.
2) Providing general information on Federal and Provincial department policies.
3) Providing information on lending institutions, crown corporations and agencies' policies, or telling farmers where information can be obtained.
4) Providing information regarding marketing boards' jurisdictions.
5) First lines of communication where farmers can get information on aspects of crops and livestock, production and management, and homemaking.
6) Providing information on aquaculture and anticipated commodities not presently part of the farm operation.
7) Encouraging better management and providing access to information necessary for new commodity development efforts.

Services also include:

1) Encouraging small and/or part-time farm families not regularly using the extension services to become acquainted with the district office staff and to involve their farm management plans with Department staff, thus encouraging better communication between district offices and small farm operators.
2) Providing a sounding board for small and part-time operators regarding their agricultural concerns.
3) Encouraging better land use.
4) Discussing with farm families potentials for increasing incomes.

Extension is at present the most important component of the Department's service to the agricultural community. The Province's role in this area can only expand in the future. An initial aim of the Small Farms Program in 1982-83 is to provide an appropriate on-farm extension effort that is immediately useful to the small operator and his/her family. The ultimate goal of the program is to help small farms survive, grow, and prosper, by enabling small operators to put together viable agricutlural enterprises that reflect their needs and aspirations as well as the realities of the marketplace.

Plant Industry Branch

General

The Plant Industry Branch was established in its present form after the reorganization of the Department in early March of this year, 1982. The Branch was given the responsibilities of providing farmers and the agricultural industry with technical services in areas of soil and feed testing, weed and crop pest control, potato production technology, potato disease diagnosis and control, soil management and mapping, control and regulating of the use of agricultural chemicals.

A major policy of the department is to assist the potato industry in keeping up with the modern technology in potato production including storage, handling, and achieving a continuous state of freedom from disease, has been confirmed in the establishment of a specialized potato service unit within the Branch. The specialist services of the Potato Section are provided to the potato industry after an absence of three years.

The Branch was given the added responsibility of administering and supervising the community pastures. An Agricultural Chemicals Fields Inspector was designated as the Supervisor of the pastures and has worked closely with the different patron committees of the pastures.

A major obligation of the Branch in this project has been to improve the quality of forages in the pastures and increase the productivity of pastured cattle. Poor pastures were improved through a combination of one or more of the cultural practices, including reseeding, liming, fertilizing, and better weed control.

There were major initiatives undertaken in the administration of the Agricultural Chemicals Act, including the establishment of Guidelines to control the aerial spraying in the Province. Efforts to complete proposed amendments to the Agricultural Chemicals Act were expanded by the chairman and members of the Agricultural Chemicals Advisory Committee.

In the Testing Laboratory, computer processing of the soil and feed testing data has been fully developed resulting in expanded feed and soil test results to the farmer in a shorter period of time.

The Weed and Pest Control Programs and advisory services were provided to farmers to assist them in resolving the significant problems of wild oats and tansey ragwort weeds. This section also conducted the aphid program providing information on the appearance, location and movement of the aphids with recommendations on spraying and general requirements of control.

The soil management and mapping services began again in 1982 after a short period when the program was not offered. There have been requests for soil mapping and management services by a total of 135 farmers. The number is increasing rapidly as the service is becoming better known to farmers.

The commitment of the Department to assist our potato industry has been to initiate an ambitious program of potato extension. A biweekly Crop Situation Report, different workshops, growers meetings and tours will provide added thrust to the potato extension advisory services to farmers of the Province. Included in this program will be an ongoing three to five minute radio broadcast on the industry, special tours, qualified speakers and monthly newsletters. The objective of the program is to assist the industry maintain and develop its position of leadership and technology in the international seed potato trade.

With our success in eradicating Ring Rot, proven by the fact that not a single positive Ring Rot infection has been found or reported this year in this Province, it is probable that the industry can declare itself a Ring Rot free zone in the coming years. This success has resulted in increased sales of P.E.I. seed potatoes throughout the world. The programs and services being delivered to the potato farmers will enable the industry to set standards for world seed potato production technology and trade. In order to maintain our disease free status, the Branch has developed, in consultation with the potato transport trade, a plan for the disinfection of all potato transport trucks. This step will close the loophole presently existing in our total protection against outside sources of disease.

The Director of the Branch participated in the work of committees dealing with the affairs of agriculture including the Elite Seed Potato Farm Committee, the Potato Diseases Control Committee, the Agricultural Chemicals Advisory Committee, Community Pastures Patrons Committee, the Atlantic Soil and Climate Committee, and Agriculture Canada Productivity Enhancement Committee.

The services of the Branch Director were requested, by the Department, to assist the potato export industry secure sales of seed and table potatoes in North Africa and the Middle East. Accordingly four weeks were spent abroad in these marketplaces. These efforts were successful in increasing sales of P.E.I. potatoes in the areas.

Potato Industry Services

Tablestock Inspection

The Federal seed inspection agency again agreed to inspect all potatoes planted by Island growers entering at least a portion of their crop for seed certification. The Provincial Department of Agriculture provided the services of an inspector to assist in this inspection. A total of 1,999.6 hectares of tablestock potatoes were grown on seed potato operations in addition to the 23,201.3 hectares, entered for crop certification.

Inspection of 'strictly tablestock' operations was carried out. This consisted of a field inspection of the growing crop in July/August and a harvest inspection during the month of October. Sixty-eight tablestock growers planted a total of 1,188.3 hectares.

The total 1982 potato crop, produced by 835 Island growers and recorded by the Federal and Provincial inspection staffs, amounts to 26,389.2 hectares (65,208 acres). Approximately 88% of the total potato acreage was entered for seed certification and 80.8% passed as certified seed. Of the total potato crop entered for certification 91.9% passed, 0.8% was withdrawn for early table market sales, and 7.3% was rejected for not meeting the required standards. Six varieties account for 97.7% of the total potato acreage planted on Prince Edward Island in 1982.

VARIETIES PLANTED	HECTARES	ACRES
Russet Burbank	10,307.5	25,470
Kennebec	7,507.2	18,551
Sebago	3,376.9	8,344
Superior	3,253.6	8,042
Shepody	813.5	2,010
Red Pontiac	524.1	1,293

Bacterial Ring Rot Situation

For the first time in almost 40 years, Bacterial Ring Rot has not been reported in the Island potato crop by mid-December. The majority of Ring Rot cases are usually discovered at harvest time, this being the earliest and best time to see the condition of the total potato crop. It is then that Federal and Provincial potato inspectors concentrate on looking for problems in the tubers and see what is going into storage and what is picked off the harvester and left in the field as waste.

Bacterial Ring Rot a highly infectious disease, became a serious problem in the late 1950's and early 1960's when potato operations began to be highly mechanized. Custom set cutters, picker type planters and potato harvesters can spread the disease from farm to farm at an alarming rate. It was critical that the Provincial Government quickly introduce a disinfection program to prevent the spreading. Legislation was also introduced to control the disease by means of the Plant Disease Eradication Act and Regulations.

Agriculture Canada introduced the Elite Seed Program in the 1960's with the main objective of eliminating Bacterial Ring Rot from Canadian seed stocks. It is a flush out program in which all the tubers in the nucleus stocks, or highest Elite grade, are multiplied for a period of about five years, dropping one grade each year until it disappears from the program. The total program on Prince Edward Island involves the Elite Seed Farm, about 70 Elite growers, and the commercial seed potato growers who produce Foundation and Certified grades of certified seed for export and domestic use.

The P.E.I. Department of Agriculture's Seed Incentive Program encourages growers, involved in Bacterial Ring Rot, to clean up their operation and purchase Foundation grade seed stocks for planting. The Department assists the potato industry through the Cull Burial Program. Adherence to a strict set of guidelines and special approval from the Minister of Agriculture are required before certified seed potatoes, produced outside the province, can be planted within the Province of Prince Edward Island. All potato producers are required to plant certified seed.

The potato industry, represented by the Potato Producers Association and the Potato Marketing Board, has taken a very active role in putting these control measures in place and enforcing the regulations. The potato inspectors deserve credit for the present favorable disease situation. However, it has been a team effort, and could not have been accomplished if the industry was not commmitted to policing itself.

Extension Potato Pathology

The extension potato pathologist came on staff in early September. A diagnostic laboratory for the identification of bacterial and fungal plant diseases was established. This facility has been used to determine the causal agents of a number of potato diseases and disease of other crops such as brussels sprouts, tomatoes, strawberries and garlic.

The pathologist was involved in determining the extent and severity of "pink eye" in the fall potato crop. When breakdown of potatoes in storage occurred warehouses were visited and samples of potatoes taken to determine the primary cause of the problem.

Several press releases were issued, some informing the growers of the disease, others of the diagnosis service available. Others dealt with potential disease problems and recommended methods of avoiding or managing.

A major revision of the Atlantic Canada Potato Guide has been initiated with the pathologist as a member of the planning and editorial committee.

Cull Burial Program

The cull potato burial program has been designed to aid in the provision for potato disease control. The program assists potato producers in disease control through on farm burial of culls, thus significantly reducing the risks of disease organism transport and subsequent crop infestation. The program has been well received by producers, as evidenced by the annual increase in service demand.

Although the cull burial program was to operate during the period April 15th to July 15th, extended grading operations, the volume of cullage and warehouse cleaning activities necessitated its extension until early October. Approximately 160 farmers availed themselves of the program's services. A total of 26 firms were contracted to carry out cull burial activities. The average cost per farm was $670.

Potato Disinfection Program

The disinfection staff carried out operations as requested by potato growers and trade in accordance with the requirement and instruction of the Federal and Provincial potato inspectors. This program is mainly conducted to sanitize potato farms and trade outlets against disease infection.

POTATO DISINFECTION SERVICES PROGRAM
LIST OF POTATO EQUIPMENT, MACHINERY, AND OTHER FACILITIES

Month	Warehouses	Truck	Set Cutters	Planters	Harvesters	Bulk Boxes	Bin Pilers	Escalators	Others
JAN	7	44	—	—	—	2	4	—	66
FEB	12	—	—	—	11	6	4	407	
MAR	17	33	1	1	1	15	14	9	1134
APR	40	101	10	7	2	117	50	30	2047
MAY	72	120	106	117	6	137	44	40	1497
JUNE	56	18	138	225	10	21	69	75	1314
JULY	116	36	28	42	13	145	63	96	2422
AUG	80	13	4	6	21	50	27	24	2894
SEPT	176	45	3	7	74	231	142	100	8620
OCT	50	25	1	—	57	149	63	25	691
NOV	14	8	1	—	1	20	9	3	197
DEC	1	5	—	—	—	10	—	2	235
TOTALS 1982	637	460	292	405	185	908	491	408	21,524

* December totals are as of December 15, 1982

Land Management Advisory Services

Soil and Feed Testing

The soil and feed testing laboratory provides farmers of Prince Edward Island with analytical services as a sound basis for decisions regarding fertilizer and liming programs and livestock feeding programs. Extension programs in soil fertility are carried out by the Branch through the soil chemist whereas the livestock feeding programs are carried out by the livestock nutritionist in the Field Services Branch.

During the year, 5,586 soil and 4,408 feed samples were tested on behalf of Island producers. A number of special "as requested" analytical services were provided to farmers. These services were done on water, plant tissue, manures, greenhouse soils and limestone and are provided as laboratory time is available

The major accomplishment in the operation of the laboratory has been the computerization of the soil and feed testing programs. All data for soil and feed samples is keypunched by laboratory staff and the computer generates analysis reports and, for the soil test program, a large number of the routine recommendations. All reports are scrutinized and necessary adjustments and additions are made to the computerized recommendations. This new system has demonstrated the very successful and substantial efficiencies of the efforts of both technical and professional staff.

The laboratory has run collaborative programs with the Department of Community Affairs and the University of Prince Edward Island. In the former, analyses were provided on 1,301 water samples for the Water Resources and Marine Estuary Programs. For the latter, 263 water samples, 103 soil samples, and 26 leaf tissue samples were analysed in support of their forestry audit program. One of the development programs carried out during the year involved a province wide survey of soil and tissue levels of micronutrients in several crops, with emphasis on potatoes and tobacco. This project will be carried out over sveral years to assess the need for micronutrient fertilization in the Province.

Another study was carried out in conjunction with the Windbreak Establishment Project of the Forestry Branch wherein soil samples from proposed windbreaks and their adjoining fields were examined to find the depth to which applied limestone will penetrate the soil.

Additional laboratory analyses were performed on samples received from a number of government departments and agencies. Those serviced include the Veterinary Pathology Laboratory, the Department of Health, Department of Fisheries, the University of Prince Edward Island, the P..E.I. Soil and Crop Improvement Association, and Agriculture Canada. These extra types of analytical services are carried out as time permits and do not interfere with the timely processing of producers' samples.

A summary of the year's work is shown on Table I. In all, 75,000 individual tests or analyses were performed on the samples received. As the table indicates, there were reductions in the number of samples received, however, it is felt that as we currently follow a number of years of significant yearly increases, this reflects only a temporary levelling off period.

Soil Information and Mapping Services

The soil information and farm mapping program was reactivated in June. To date, 135 requests have been received for services provided by the program (representing about 60,000 acres of farm property). As of December 10, 1982, 19 farm properties and eight community pastures have been mapped, representing a total of 15,535 acres.

Soils interpretation, drainage, runoff, and erosion control design, narrative development and program supervision were the responsibility of the soil specialist. Major cartographic activities, map and photo indexing, filing, day-to-day work flow, format layout and design, and product

TABLE I **LABORATORY STATISTICS — 1982**

The following is a summary of samples received for analysis in 1982. For comparative purposes, the 1981 figures are included.

Sample Description	Number in 1982	Number in 1981
Farmers' Soils	5,586	6,188
Research & Special Soils	461	1,188
Feeds	4,408	4,085
Veterinary Pathology	1,043	1,145
Mineral Ion Analysis (Water and Solutions)	1,655	2,368
Others	1,138	1,167
TOTALS	14,265	16,141

quality were handled by a staff member. A technician assisted with the cartographic activities, area measurements, recording site investigations (when required) and provided surveying services (with the cooperation of the Engineering Section, Field Services Branch).

As per a previous agreement, our section was also responsible for receiving, indexing, and filing maps containing the soil survey information on 1:10,000 scale contoured orthophoto base maps.

Land management advice was provided to sixteen farmers (over and above that provided to farmers requesting assistance in the soils information and farm mapping program). Advice and assistance frequently took the form of drainage system, runoff, and erosion control design.

A similar array of services was also provided in the case of 11 requests from nonagricultural sectors (e.g., Summerside Golf Club, Parks Canada, Department of Tourism, Department of Community Affairs, A.D.I. Ltd., Harland & Associates, Charlottetown Area Regional Planning Board, etc.).

A total of three radio tapes and five written articles were produced. The soil specialist participated in a Country Canada taping session, and provided an agricultural article and photos to the Atlantic Insight magazine. The Land Management Display was set up in Bedeque (Bedeque Days) and at P.V.I. (Food Week). The soil specialist discussed our programs with Island farmers enrolled in Agricultural courses at Holland College.

Assistance was provided to the Soil and Feed Testing section in designing and implementing the micronutrient survey of selected potato producers on Prince Edward Island.

At the request of the Branch Director, a statistical analysis of data provided in the community pasture ledgers was carried out.

The soil specialist developed and presented a two day seminar to Department of Community Affairs Subdivision Control Staff. Topics included soil characteristics related to septic tank suitability, separation distance calculations, erosion control and watershed hydrology. A similar seminar is currently being developed for the Department of Health Staff.

The soil specialist and staff provided assistance in the development of the Toxic Chemicals Seminar and in the planning phases of the Staff Conference.

Professional and technical staff participated in the work of the following committees:

1. Advisory Committee on Windbreaks and Hedgerows
2. Advisory Commitee on Soil Resource Management
3. Charlottetown Environmental District Resource Management Committee
4. Environment Management Committee (Forestry)

Weed, Pest, and Disease Control

Weed and Pest Control

Based on weather conditions during late spring, potato pest infestations were anticipated to be a major production problem. Potato Aphid traps were put in operation at 32 grower locations. These operated from June through September. However, due to the cool temperatures, aphid populations were low, and fewer disease problems were associated with aphid infestations.

The most serious potato crop pest this year appears to have been the Colorado Potato Beetle. Blight infestations were low relative to occurrances in other years. Weed problems (in all crops) were more of a problem this year than others due to the mild weather which extended the weed control season well into September.

With respect to weed and pest control, considerable controversy developed over the pros and cons of aerial spraying. Over 15 calls on the topic were received by the weed and pest management coordinator.

The use of Ryegrass seems to be increasing on Island farms, as seen from the increase in herbicide recommendations.

A light increase in Ragwort was noted this year, centered largely in the Orwell area. The Federation of Agriculture expressed concern about the persistence of the weed and the limitations it could put on the Island's livestock industry.

An increasing number of calls for advice are being received from the urban sector. An increase occurred in the area of household insects. More often than not, these have been traced to firewood stored in basements and garages, the results of increased use of wood burning stoves in this Province.

A total of 571 calls were handled by the staff of which 65% were related directly to agricultural problems, 11% to assisting other government agencies, and 24% related to urban problems.

The staff were also involved in the following activities:

- Bluefield High School (Integrated Pest Management talk)
- Southern Kings Elementary School (Weeds, Pests and Agriculture)

- Expert Committee on Weeds
- Federation of Agriculture (Ragwort meetings)
- Agricultural Chemical Advisory Committee
- Environment Canada Hearing — Waste Management
- Pedigreed Seed Growers Association
- Blueberry Field Day
- Crop Field Day
- P.E.I. Agricultural Chemicals Committee
- Strawberry Growers Association

Agricultural Chemicals Act

The IBT scandal has come and gone, yet a more positive outcome has been the result of this unfortunate incident. The C.R.E.M. Conference held early in the year and subsequent meetings by the C.R.E.M. Ministers approved of Agriculture Canada having the final authority in the Chemical Registration process. However, it was also recommended that Health and Welfare Canada, and Environment Canada have more input to Agriculture Canada as to whether a certain chemical should be registered or to request more data to support their findings. It can be truly stated that Canada is second to none in the world for having the strictist regulations and requirements for registering a chemical.

Agricultural Chemicals Program

Four license classifications were available to those involved in the sale or application of pesticides in this Province. In accordance with the Agriculture Chemicals Act, all pesticide dealers, selling Commercial and/or Restricted Class Pesticides, at wholesale or retail level, must be licensed. The table in this report presents a steady flow in the number of dealers and applicators from year to year. Two new applicators were licensed, following the successful completion of a written examination.

All outlet storage facilities were quite satisfactory and no major incidents of spillage were reported. A few of the larger dealers have built modern chemical storage warehouses based on guidelines developed by the Department.

Aerial Application

Approximately 66,000 acres of agricultural land were sprayed in 1982, a marked decrease from 80,000 sprayed in 1981 and 70,000 in 1980.

The decrease is mainly due to the lower figures for spraying potato fungicide (60,000 in 1982 compared to 80,000 in 1981) as this year experienced drier conditions than last year, and thus less chance of potato blight being a major problem.

There was no significant difference in the quantity of pesticides applied under the Use Permit System. A total of 15 Use Permits were issued to aerial applicators for a total of 2,953 acres. Last year showed fifteen Use Permits granted for a total of 2,873 acres.

The application of the grain herbicide MCPA totalled 703 acres, up slightly from 1981's figure of 614 acres. The tables provide an indication of acreage sprayed per applicator by treatment type. The Use Permit requirement is in effect only for the application of Restricted Class pesticide under the Regulations and issuance is preceded only by a mandatory field inspection.

PESTICIDE APPLICATORS AND DEALERS LICENSED

CLASS	TYPE	1980	1981	1982
B	Aerial	9	9	8
C	Structural (Fumigation)	12	11	9
E	Nonstructural (non crop land)	12	9	9
Dealer	Wholesale or Retail	51	53	51

PESTICIDES APPLIED BY AIRCRAFT UNDER USE PERMIT

	1982	
PESTICIDE	NO. PERMITS ISSUED	PERMIT ACREAGE (HA)
MCPA (H)	1	703 (281.2)
Methoxychlor (I)	3	90 (36)
Monitor (I)	1	23 (9.2)
Guthion (I)	1	50 (20)
Reglone (H)	8	2087 (834.8)
TOTAL	14	2953 (1181.2)
(H) = Herbicide		
(I) = Insecticide		
1981	15 Permits	2873 (1149.2)

Agricultural Chemicals Advisory Committee

The Committee met officially on four occasions during the past year. The most prominent among topics discussed was the replacement of our present Agricultural Chemicals Act for the Pesticides Control Act. The revised draft is now ready for legislature debate and subsequent approval. The Regulations only need updating to close loopholes and help them conform to our future needs. One of the main changes would be the increase in membership of the A.C.A.C., from its present five members to nine members, to allow more representation from Agricultural Organizations or farm groups who would be concerned with the safe use and handling of agricultural chemicals on Prince Edward Island.

Plans are being finalized for a public hearing pertaining to the use and handling of agricultural chemicals on Prince Edward Island. the Committee is becoming a more recognized voice in dealing with Agricultural Chemicals on the Island, and a hearing would allow concerned groups to express their concerns regarding chemical use on Prince Edward Island. Regulations have been set up in which the person (representing the group or committee) would present their brief to the A.C.A.C. within a set time limit and then the committee could ask questions based on the brief presented. The hearing scheduled for February would only be able to entertain briefs under the jurisdiction of the Agricultural Chemicals Act.

Complaint Investigation

During the period from June to September, various complaints were filed, the majority being the nontarget drifting associated with aerial application of fungicides. A few concerned citizens went to the media to get their idea across to the general public, information from the Department helped clarify the respective situations. However, these people had a legitimate concern and the Department was committed to alleviate their apprehensions. With this in mind, guidelines for aerial spraying were drawn up and a meeting with all aerial spray pilots to discuss these guidelines was conducted. It was a success in that the pilots felt they were given a black eye image when they feit they were being responsible in their work. They were much in favor to change and/or improve their methods of aerial application to help eliminate the chance of nontarget drifting onto private property.

Other Programs

Use Permits were issued to Ace Vegetation Services who are carrying out the C.N. Weed and Bush Control Applications on Prince Edward Island. This is a three year contract ending in 1983. C.F.B. Summerside grounds were also monitored as a result of their request for a Use Permit to allow chemical spraying for weed control. The chemicals used were registered for use in lawn weed control, grass retardants, brush control, and soil sterilizations. The Use Permit was granted.

Public Relations

One of the Department's committments is to implement an educational program, Island wide, to improve the public's awareness of proper use and handling of agricultural chemicals. The Department, in cooperation with the Federation of Agriculture, is developing some programs on pesticide handling and safety for presentation at various areas across the Province during the winter/spring months.

Numerous fact sheets on pesticides have been developed and sent out to the general public, reaching them via farm oriented newspapers, government publications, radio tapings, or direct mailing. Repetition of this information can only be beneficial in encouraging the public and especially the working farmer, to respect chemical usage, no matter what the cost.

This Department, along with Community Affairs, Health, and C.A.C.A. (Atlantic Council) sponsored a Toxic Chemicals Seminar. People who attended the seminar included Provincial and Federal personnel, industry people, and representatives from farm organizations. The main purpose of the meeting was to give people involved with agricultural chemicals (either directly or indirectly) an idea about the registration of agricultural chemicals, and some information on the usage of these chemicals on Prince Edward Island.

Community Pastures

The Community Pasture Program was transferred from the Land Development Corporation to the Department of Agriculture this year. The first few months of the new year were spent being oriented into the policy and activities of Community Pastures. The General Manager of LDC and Department staff travelled to different areas of the Province viewing pastures and meeting with the pasture managers and patron committee executive. The areas included Head of Hillsboro, Kelly's Cross, East Prince, Central Prince, and Lauretta Community Pastures. Materials such as ear tags and applicators, and tenders for veterinary supplies and salt and mineral were posted to ensure as early a start as possible. Applications were mailed out during the first week of March and patron meetings were held during March as well.

A meeting of all the Island Pasture Committees was held on April 1st when the 1982 budget was presented to the directors. The fees for the pasture were also approved at that time.

Community Pasture Director meetings were held in each individual community at which time the number of cattle going on the pasture was finalized.

The Minister called a meeting in June involving the Kelly's Cross Directors re rules and regulations of the Community Pastures, i.e., part-time farmers. Another meeting was held in October involving representatives from each patron committee of their respective pastures. Development costs and property maintenance costs were reviewed. All present at that meeting agreed that their portion of development money greatly improved their respective pastures in terms of improvement in pastures' and cattle condition.

Extra crews were hired in Ellerslie and Kelly's Cross to help repair fences damaged due to snow drifts.

Five bulls were purchased this year. Two each in Ellerslie and Lauretta and one in Wellington. One bull was sold from the Ellerslie pasture.

Two new pieces of equipment were purchased this year, a heavy-duty brush cutter and a 3 point hitch fertilizer spreader.

The Pasture Supervisor, along with the Forage Specialist, visited all pasture areas to report on conditions of each pasture and to make recommendations for improvements.

For the year of 1983, it was reported that no Federal funds would be available from the Federal Government. Therefore, the rates for pasturing cattle would be decided on a break even basis. Also, if any development work, such as plowing and reseeding pasture were to be done, monies would have to come out of the Patrons' pockets, therefore, the rates would have to be increased substantially to offset the costs which would be involved. However, the rate would be set at the patron committee meeting based on the estimate from revenue received.

Much work was allocated and a tremendous amount of money was spent on the development of pastures. The biggest commitment that the Department has for Community Pastures is the emphasis of lime and fertilizer applications as well as the rejuvenation and reseeding of new and existing acreage, in order to bring a pasture to its maximum potential for producing high rate of gains in animals on these pastures. This commitment is clearly shown by the development figures represented in Appendix No. 2. Property maintenance costs, i.e., upkeep of pasture and day-to-day costs of caring for the animals, are shown in Appendices Nos. 1 and 2.

Development work carried out on community pastures:

Lauretta	100 acres cleared of brush, cultivated and limed, ready for fencing, fertilizing and seeding in Spring, 1983.
Wellington	30 acres plowed down, limed, fertilized and seeded in July, 1982.
Kelly's Cross	70 acres removal of existing brush piles. Discing, liming, fertilizing and reseeding of same accomplished in September, 1982.
Head of Hillsboro	50 acres plowed down, limed, fertilized and reseeded in June, 1982.

ACREAGE TREATED BY APPLICATOR
1982

TREATMENT	K & S SPRAY	KANATA AVIATION	MILLER AIR SPRAY	TOTAL
Potato Fungicide and Insecticide	15,599	39,639	5,020	60,258
Potato Topkill	—	—	383	2,087
Grain Herbicide	—	1,704	703	703
Grain Insecticide	—	225	—	225
Cole Crops (Insecticide)	—	—	274	274
Tobacco	—	—	1,256	1,256
OTHER	1,950	50	80	20,080
TOTALS	17,549	41,618	7,716	66,883

APPENDIX 1

COMMUNITY PASTURES — CUMULATIVE TOTALS TO OCTOBER, 1982

ITEM	GENERAL	CENTRAL PRINCE	EAST PRINCE (WELLINGTON)	LAURETTA	HEAD OF HILLSBORO	KELLY'S CROSS	PROPERTY MAINTENANCE
Salary	—	11,624.40	$ 7,039.20	($16,375.69*)	$2,000.28	$ 9,013.24	$(29,677.12)
Fencing	—	501.13	77.34	1,818.24	66.72	203.81	2,667.24
Miscellaneous	—	96.27	70.00	1,021.13	—	—	1,187.40
Custom Work	—	1,700.00	200.00	—	—	—	1,300.00
Vet. Supplies	—	645.73	351.66	180.10	280.10	531.70	1,989.29
Salt & Mineral	—	1,145.30	422.10	355.20	320.65	961.30	3,204.55
Property Taxes	$ 7,606.89	—	—	—	—	—	—
Vehicle Expense	—	1,545.54	1,320.00	1,760.92	840.00	1,728.75	10,070.21
Tags	—	1,092.00	644.00	2,875.00**	235.00	910.00	3,210.00
Clipping	—	3,540.00	1,122.00	329.00	300.00	600.00	5,562.00
Warble Fly, and Worm Treatments	—	1,587.00	379.20	320.00	211.30	754.40	3,252.0[illegible]
Repairs, Machinery and Equipment	—	17.00	7.02	—	36.85	90.00	150.87
New Equipment	2,541.30	—	—	—	—	—	2,541.30
Total Property Mtce	$10,148.19	$22,894.49	$11,632.52	$ 8,659.59	$4,290.90	$14,793.20	$72,418.89

Note: *Lauretta salary not included as it was to come out of Development Funds
** Tractor

APPENDIX 2

COMMUNITY PASTURES

TYPE OF WORK		CENTRAL PRINCE	EAST PRINCE (WELLINGTON)	LAURETTA	HEAD OF HILLSBORO	KELLY'S CROSS	DEVELOPMENT COSTS	PROPERTY MAINTENANCE
Cultivation	D.C.	$ —	$1,848.00	$ 2,256.00	$1,000.00	$1,400.00	$ 6,504.00	—
Fertilizer	D.C.	—	1,198.99	—	—	2,723.40	8,499.88	—
Lime	D.C.	—	4,530.00	16,594.00	2,850.00	3,897.60	27,871.60	—
Seed	D.C.	—	1,039.50	—	822.25	2,112.60	3,974.35	—
Custom Work	D.C.	—	200.00	10,820.00	500.00	7,370.95	18,890.95	—
Const. Cost	D.C.	—	—	1,437.50	—	—	1,437.50	—
Fencing	D.C.	—	—	2,003.10	—	—	2,003.10	—
Total	D.C.	—	$8,816.49	$33,110.95	$9,749.74	$17,504.55	$69,181.38	—
Cultivation	P.M.	—	—	—	—	—	—	—
Fertilizer	P.M.	$ 7,225.60	—	—	$1,505.00	$ 1,946.91	—	—
Lime	P.M.	6,000.00	—	—	(manure)	4,317.13	—	—
Seed	P.M.	1,144.00	—	—	2,850.00	6,976.00	—	—
Custom Work	P.M.	4,640.00	—	—	—	—	—	—
Const. Cost	P.M.	—	—	—	—	—	—	—
Total	P.M.	$19,009.60	—	—	—	—	—	—
					$4,355.00	$13,060.04		$36,424.64

Animal Industry Services Branch

The Animal Industry Services Branch operates diagnostic services and provides advisory and technical services for livestock producers and veterinarians. The Branch is responsible for administering veterinary and meat inspection services and for supplying veterinary pathology, veterinary microbiology, disease monitoring and dairy quality control services. Grants to the P.E.I. Humane Society and P.E.I. Artificial Breeders Association are also administered.

Veterinary Services consist of Herd Health (or Veterinary Preventive Medicine Programs) and Clinical Veterinary Services.

Herd Health and Clinical Veterinary Services

The Herd Health and Clinical Veterinary Services programs are delivered to producers by 20 veterinary practitioners located in six veterinary practices. One veterinarian is in Souris, four are in Montague, eight in Charlottetown, four in Kensington and three in O'Leary. They made 5,385 Herd Health visits and 15,736 clinical service visits which was approximately the same number as in 1981.

In addition, the veterinary practitioners carried out 1,729 visits to inspect carcasses under the Meat Inspection Program, inspecting 11,154 beef, 3,512 hog and 946 lamb carcasses. This is an increase in total of 12% compared to 1981.

Since July 1982, veterinarians and producers have been receiving monthly reports on somatic cell counts of bulk milk tank samples. Analyses of these samples have been carried out at the Microbiology Laboratory. These reports as well as on farm assistance has stimulated interest in mastitis prevention.

Disease Monitoring Services

The swine inspection and quarantine stations continue to provide the first line of defence against the introduction of off Island diseases (Hemophilus pleuropneumonia) into P.E.I. swine.

Herd certifications for minimal disease swine operations, and disease investigations in all species by departmental veterinarians in consultation with laboratory personnel and field veterinarians provide constant surveillance of disease prevalance on P.E.I.

Veterinary Pathology Laboratory

The Veterinary Pathology Laboratory received 4,270 consignment for diagnosis, a decrease of 15% compared to the previous year. There were increases in avian — 5% and feline — 20%, while submissions of other species either remained the same or decreased by 5% to 70% depending on species.

Highlights according to diagnosis were: Yersinia enterocolitica in black ducks, Enzootic Abortion in sheep (two flocks), Salmonellosis in a horse, chickens, sparrows and calves, Lead Poisoning in calves and Bovine Virus Diarrhea in a yearling.

Veterinary Microbiology Laboratory

The Veterinary Microbiology Laboratory processed 46,834 individual specimens in 1982 consisting of 5,117 diagnostic specimens, 15,675 mastitis specimens, 6,946 somatic cell specimens and 19,096 quality control specimens. The quality control specimens include 4,150 standard plate methods, 6,403 plate loop counts and 8,543 antibiotic tests. Of the antibiotic tests performed, (four approximately .05%) revealed penicillin. Processing of the specimens requiried preparation of 29,956 tubes or plates.

Most microbiology isolates were of the more common pathogenic types such as E. coli, Staph, a ureus or Streptococcus species; however less common species such as Nocardia, Yersinia, Salmonella, Erysipelothrix rhusipathiae and Listeria monocytogenes were isolated.

Dairy Quality Control

Total milk production from January 1, 1982 - December 31, 1982 amounted to approximately 120.6 million litres, an increase of 20.1 million litres, approximately 13.2 million litres or 11% is considered as fluid sales. Approximately 99.4 million litres or 82.4% is considered as Industrial milk shipments and approximately eight million litres or 6.6% is considered as cream shipments.

As of December 31, 1982, there were 977 milk producers, an increase of 8 producers, mostly from the farm separated cream segment; 507 were Industrial milk producers, 140 were Class I producers, and 330 were cream shippers.

The production of creamery butter in the January to November period of 1982 amounted to 1.3 million kilograms, a decrease of 9% over a similar period last year. Cheese production was down 11% over the same period last year. Total cheese production is manufactured at Amalgamated Dairies Ltd. in Summerside. Total ice cream mix increased by 8.7% over the previous year. Whey butter production decreased by 16% over 1981.

During 1982, 14 dairy processing plants were licensed, seven fluid plants, five creameries and two industrial plants. The Department of Health is responsible for licensing the fluid plants and the dairy manufacturing plants are licensed by the Deparmtent of Agriculture.

Two students attended the Bulk Milk Graders' Course offered at the Nova Scotia Agricultural College in Truro. They were successful in completing the Course and receiving a Bulk Tank Graders' Certificate qualifying them to pick up milk from farm bulk tanks in P.E.I.

Provincial dairy officials, in cooperation with Federal Dairy Staff, conducted in-depth inspections of all dairy processing facilities in the province. These inspections inform management of dairy plants on necessary housekeeping and upgrading requirements.

Weight certificates representing 9,275 kilograms of skim milk powder were issued. This was the production sold to the Canadian Dairy Commission under their support program for butter and skim milk powder.

The Dairy Lab analyses all industrial and fluid producers milk samples for payment basis. Industrial producers are tested twice monthly, fluid producers once per month. During 1982, the dairy laboratory analyzed 74,364 samples for butterfat and protein, a 2% decrease over the previous year; 186 butter samples were obtained from five creameries and analyzed for yeast and mold contamination. All industrial milk samples which do not meet Grade A standards are rechecked. Approximately 5% of samples submitted required rechecks, a slight increase over last year. 3.5% of our Class I producers samples exceeded the regulation of 100,000 bacteria/ml on the initial test.

P.E.I. has 96 licensed bulk milk haulers, approximately 40 of which are active, and 30 milk transport trucks transporting raw milk from producers' premises to processing plants. These are the individuals who take laboratory samples and who must make on the spot decisions about milk before loading it on their trucks. Our inspection staff works closely with these haulers.

During the year, 692 inspections were carried out on Class I and industrial milk producers' premises.

Total number of samples tested for adulteration from February to December, 1982 were 7,600.

P.E.I. Humane Society

A grant was continued to the P.E.I. Humane Society to allow it to carry out its mandate of enforcement of the Dog Act. Dogs licensed numbered 2,451 and kennels 15.

Artificial Breeding Program

A grant was administered to the P.E.I. Artificial Breeders Association. This service was privatized during 1982.

Marketing Branch

General

The Branch offers Marketing assistance, expertise and programs to farm organizations, commodity groups, associations, cooperatives and individuals. In cooperation with other branches within the Department, other government departments and agencies, the Marketing Branch's objectives are to tie together production initiatives to market opportunities, to identify new markets, to provide market research where required, to provide an analysis of marketing opportunities including outlook — forecasting information, to provide commodity promotion and educational programs, to provide alternatives for market organizations and marketing situations particularly for establishing commodity groups, to provide an economic and statistical analysis service and to represent the Department on a host of intergovernmental committees, task forces, and working groups where marketing, economics and statistical issues are being discussed.

The Branch assumed responsibility for the development and coordination of the agricultural planning process in 1982. The Planning Secretariat made up of senior departmental staff and chaired by the Branch Director, is responsible for establishing the broad terms of reference for planning and making policy recommendations to the Minister. Two planning offices are attached to the Branch; they essentially provide support services to the work plan as determined by the Planning Secretariat.

The Branch Director continued to represent the Department on the Federal-Provincial Market Development Council. The Council provides a forum for the evaluation and recommendation to

Deputy Ministers for all market development issues of mutual provincial and national interest. Prince Edward Island hosted the 1982 meeting of the Council.

The Director is the Departmental representative on the Agricultural Export Task Force, another Federal-Provincial body designed to identify, analyze and provide follow-up on promising export opportunities for Canada.

The Branch Director represented the Department on Agriculture Canada's Market Program Committee — the latter was structured to evaluate and make recommendations for projects to be funded under Agriculture Canada's direct delivery effort.

On a regional basis, the director represented the Department on the Atlantic Committee on Food and the Atlantic Committee on Marketing and Distribution. The purpose of these committees is to provide a forum for exchanging ideas and for joint action on a number of issues relating to food production and marketing.

A seminar on marketing to the food service industry (H.R. & I) was hosted by New Brunswick in June 1982.

In a similar fashion the Atlantic Committee on Economics, Extension and Education is structured to provide liaison and coordination in the area of economics. The Agricultural Economist represents the Department on this committee.

The P.E.I. Marketing Council is responsible for the supervision of the activities of commodity marketing boards operating under the National Products Marketing Act. The Branch Director is the Departmental representative to this eight member council.

The account which follows will serve to highlight, on a commodity basis, the most significant activities and actions of 1982.

Dairy

The Milk Marketing Coordinator represented the Department and the Province on the National Canadian Milk Supply Management Committee which administers the Milk Market Sharing Quota System. The economic conditions prevalent in the country during 1982 necessitated three reductions in market sharing quota during the year. In the spring all provinces committed to restrict production to 98% of total MSQ. On August 1, the beginning of the 1982-83 dairy year, 2.67% was removed from the system and on January 1, 1983 there was another 2% reduction in all provinces except P.E.I. which was reduced 1% because of a special minimum industry size protection clause.

The Agricultural Economist coordinated the 1981 Dairy Farm Business Analysis for Prince Edward Island. This was a study of 57 industrial and fluid milk producers in the Province.

During 1982 the Commodity Education and Promotion Specialist continued to work with the P.E.I. Dairy Producers' Association and the P.E.I. Fluid Milk Processors' Association. Activities included continued involvement with the dairy industry in conjunction with the School Milk Foundation. This is a non-profit organization with representatives from the P.E.I. Dairy Producers' Association, the P.E.I. Fluid Milk Processors' Association, the P.E.I. Department of Education and the P.E.I. Department of Agriculture, which is responsible for the coordination of the "School Milk Program" in the elementary (48) and junior high (10) schools on Prince Edward Island. Departmental staff coordinated the program as well as acting as Treasurer and Secretary for the Foundation. They conducted school visits to monitor the program, prepared parent newsletters, purchased equipment and supplies and carried out the routine administration of the Program.

In addition, through the newly formed Research, Education and Promotion Committee, the following projects were carried out: a Research Project; Nutrition Education Calendars distributed to all elementary and junior high school teachers; and a "Reward Program" to encourage non-drinkers of milk to participate in the School Milk Program.

Pork

The Branch continued to share in the administration of the Hog Stabilization Program with the P.E.I. Hog Commodity Marketing Board. The market price for pork rose above the base stabilization price in April 1982 with the months of June to September experiencing a price average of $93.90 per cwt. The 1982 average market price was $83.65 per cwt. and the average support price was $77.25 per cwt. producers paid off a portion of their loan incurred during the poor price levels of 1980 and 1981.

An economic analysis of the swine industry was completed for the 1981 calendar year. The analysis was based upon the records of 14 finish hog operators and 16 farrow to finish operators. The study was useful in evaluating the levels of support as set by the Hog Stabilization Program.

The Government, through the Department of Agriculture, and the Hog Board initiated a hog marketing subsidy to assist processors in the transportation and marketing of Island hogs. The program commenced as a result of the identification of differentials existing between other Maritime processors and our processors. The program contributes $1.75 per hog to this differential, $1.00 of which is paid by the Department.

The Department, through the Marketing Branch, has been working very closely with the Hog Board, the Department of Fisheries and In-

dustry and the Premier's Office on a Steering Committee to resolve the problems facing the processing of Island livestock because of the announced closure of Canada Packers.

In cooperation with the Hog Commodity Marketing Board the following projects were carried out: study of the effect of grading change on carcass indices; scheduling of hogs for Canada Packers; weaner pig check off system and budgets for P.E.I. Quality Swine and the Hog Board.

The Commodity Education and Promotion Program of the P.E.I. Hog Commodity Marketing Board was carried out on both a provincial and maritime basis with specific target groups of consumers, school system, foodservice and producers' wives. On a provincial basis the projects were:

- "The Sizzler".. the sponsorship of a very successful private company who catered to pork barbecues anywhere on Prince Edward Island;
- Pork Producers' Wives... through a Pork Producers' Wives Committee a series of newsletters and a workshop at Swine Day '82 were implemented as a vehicle to educate the producers' wives about their own product so that they in turn can educate consumers;
- "Meat Know-How Kit" .. a project using coupons for fresh pork was piloted with home economics teachers in the West Prince area.

On a Maritime basis:

- The "Atlantic Provinces' Restaurant Show ("APEX").. and the "Atlantic Food Fair" were attended.
- The "Pork Identification Program" consisting of shelf-liners and seals was a cooperative project of producers, packers and processors, the retail trade and government.

Grain

Grain production during 1982 was considered normal. The work of the Grain Coordinator focused on the following activities:

- Assisting the Grain Growers Cooperative with meetings, meeting reports and membership activities and working closely with the P.E.I. Grain Elevators Corp. and the Board of the Corporation. The main efforts here were in establishing marketing contacts and coordinating the Advance Payments Program for grain.

The Grain Coordinator also participated in the organization of the Atlantic Grains Council. This organization consists of the P.E.I. Grain Elevators Corporation, the P.E.I. Grain Growers Association, the Nova Scotia Grain Commission the Nova Scotia Winter Grains Marketing Board and the New Brunswick Grains Commission. The organization is intended to work with producers and government in the coordination of the marketing, grading and licensing of grain production in the region.

In 1982, the Branch was actively involved in discussions concerning the Gilson Report on Western Grain Transportation. The report studied the Crow Rate situation in Western Canada and made recommendations for its change. The Branch represented the Department in national and regional meetings on this subject. In addition, numerous meetings were held with the Maritime Farmers Council to discuss the issue as well as problems affecting the Maritime Feed Grains industry.

Potatoes

The Branch coordinated the 1981 Potato Farm Business Analysis. This study provides a comprehensive economic analysis of 18 potato operations in the province.

In cooperation with the P.E.I. Potato Marketing Board, a new publication "Potato Perfect" was developed to assist consumers in answering some of the commonly asked questions about potatoes.

Poultry and Eggs

The Branch prepared an analysis of the cost—returns of re-establishing the major broiler producer in the Province. Subsequent to this the Branch represents the Department on the monitoring committee for this operation. The operation resumed production in the summer of 1982.

Throughout the year the economist maintained contact with the Canadian Chicken Marketing Agency on several of their supply management committees.

In cooperation with the P.E.I. Egg Commodity Marketing Board an educational teaching kit was supplied to all elementary schools and a home economics teachers' workshop was conducted.

Beef

The Branch administered the 1980 Slaughter Cattle Assistance Program for Prince Edward Island. This program provided assistance to beef producers who suffered losses because of inadequate market returns. The program provided over $680,000 in assistance to beef producers. In all there were over 1200 applicants for the program representing some 21,000 slaughter cattle.

The economist worked with the P.E.I. Cattlemen's Association throughout the year and represented the Department at Provincial—Federal meetings on Beef Stabilization at Calgary in January and at Regina in June.

Vegetables

The Cole Crop project was again continued in 1982. The program aimed at commercial development of Cole Crops was again funded and resource personnel provided to assist in coordination and marketing of cole crops. Weather related factors seriously affected both broccoli and cauliflower. Slug injury also contributed to losses in brussels sprouts, however, the quality of the brussels sprouts harvested and marketed was better than previous years and overall marketed volumes were the best since the program began.

A Cole Crop Cost of Production Consensus was prepared for 1982 at the request of the Cole Crop Growers Association. The analysis consists of the results of seven farms and includes costs for broccoli, cauliflower and brussels sprouts.

Assistance was provided to encourage development of production of lettuce. Markets in Newfoundland were served while supplies lasted. Commercial viability of lettuce production has not yet been fully examined. Volumes shipped in 1982 were the largest ever from P.E.I.

The squash marketing program continued in 1982. Assistance was also provided to cabbage producers to view harvesting techniques in the Eastern United States.

A publication "Cole Crops" describing how to choose, use and store cole crops was printed.

Strawberries

Assistance was provided the P.E.I. Strawberry Growers' Association in the arrangements for marketing strawberries for processing. Marketing staff prepared production cost analysis and market assistance to enter new markets in Newfoundland.

Branch staff assisted the P.E.I., Strawberry Growers' Association in the preparation of a costs/returns model for the growing of processing varieties of strawberries.

In cooperation with the P.E.I. Strawberry Growers' Assoc. a promotion program consisting of newspaper ads listing growers' names, addresses and telephone numbers and distribution by growers of a publication "The Strawberry Patch" and posters was carried out.

Blueberries

The Branch provided assistance to the P.E.I. Blueberry Growers' Marketing Committee in negotiating a price agreement with a processor for the sale of this year's blueberry crop. Cost sharing promotional expenses of blueberries internationally through the Wild Blueberry Association of North America was provided on behalf of the P.E.I. industry.

In cooperation with the P.E.I. Blueberry Growers Association, newspaper ads were inserted listing growers' names, addresses and telephone numbers.

The Branch also assisted in reorganizing a blueberry producers group in Kings County from St. Peters to St. Margarets. A new Board has been appointed and courses are in place for the winter. Blueberry cultivation will begin in the spring of 83.

Lamb

The Department provided assistance to the P.E.I. Lamb Coop to promote their product in the province. This covered such areas as organization, distribution and marketing. In addition, in cooperation with the P.E.I. Island Lamb Coop., a series of newspaper ads "Delicious Island Lamb" were inserted informing consumers that fresh Island lamb is now more readily available and included some simple but tasty ways of using lamb.

Farmers' Markets

Two new Farmers' Markets were organized in 1982. Summerside operated from a section of Holman's store on the rear parking lot level. This start is considered very successful by all who participated. Our second Farmers' Market was organized in the O'Leary area. Because this market was set up in and around a moveable market built on a trailer frame, they operated in Alberton also. This market was considered quite successful.

Another new market has been organized to operate in the Souris area next season. A provincial board has been appointed and a charter has been requested.

The Branch has continued to follow up and give continued assistance to the Charlottetown market. This is the only year round operation, and may continue to be the case, since it is in the only area with a population base large enough to warrant a market of this type.

The Department also participated in the build up of a Regional Direct Marketing Organization. New Brunswick, Nova Scotia, Newfoundland and P.E.I. plan to work together to stimulate direct sales programs and also to help each other in such areas as exchange of products and advertising.

Statistics and Market Information

The Branch relied on Statistics Canada and Agriculture Canada for much of its statistical information. A variety of estimates, surveys and other data was received by departmental staff.

Much work was done on validating the 1981 Census which was released in the summer of 1982. The Branch was involved in disseminating this information through a variety of sources and comparisons to other Census years.

Market information was dispersed to the public on a regular basis. The code-a-phone system, which has daily update market information on cattle, hogs, potatoes and other livestock and crops, remains popular with the farm community. There were 600 copies of the annual Statistics Handbook printed in December. In addition to the annual statistical information, the Handbook contains a supplement of comparative Census information. An updated statistical fact sheet was also printed and released. The agricultural market report was published weekly containing current agricultural pricing and sales information. This is published in Island papers and also distributed to over 200 recipients.

The Marketing staff produced numerous radio shows throughout the year dealing with a variety of commodities from both a production and marketing standpoint.

Commodity profiles were updated by Agriculture Canada and the Marketing Branch to show the 1981 year changes. These profiles describe the state of a particular commodity on Prince Edward Island and its position in the marketplace.

A comprehensive profile was prepared in the summer of 1982. It describes the state of the agricultural industry as it is positioned in the economy. It also looks at the growth of agriculture, in particular commodities and their impact on the industry.

The Branch has been involved in the technology of Remote Sensing with its estimation data via aerial photography. For 1982 potato acreage was scheduled to be estimated through this method but because of cloud cover the material was not available. It is expected to continue for 1983 through the assistance of the Marketing Branch staff.

Economic Analysis

The Branch provided economic expertise to farm producers, organizations, producer groups and other sections of the Department through the years. Other work performed in the economics field included a preparation of a background paper on interest rate subsidization for selected farm enterprises; preparation of a study on farm energy rates entitled "A Comparative Analysis of Provincial Farm Energy Rates". This was carried in response to requests from farm organizations and commodity boards.

Planning

The Planning unit worked on agricultural planning, evaluation and program development efforts in the Department. Activity in support of these tasks has been mainly in the area of researching information and assisting Planning Secretariat members in compiling discussion papers related to future development of the agriculture industry. Information on planning and evaluation systems in some other provinces has been collected and reviewed for application in the system being developed for Prince Edward Island.

Other work performed by the Planning unit is as follows:

- Drafted all agricultural projects under P.E.I./Canada Development Plan.
- Coordinated agricultural information requirements with technical staff of Central agencies as required. (Treasury Board, Policy Board, Intergovernmental Affairs).
- Provided Program Development for Small and Limited Resource Farm Development Program.
- Provided Program Development effort on agricultural energy initiatives such as the Energy Conservation and Energy Alternatives in Agriculture project developed and initiated in cooperation with the P.E.I. Energy Corporation and the Institute of Man and Resources.
- Working on developmental stages of other energy projects (i.e. solar greenhouses).
- Serving as Departmental representative on NFLD/P.E.I. Renewable Resource Agreement — developing joint resource development ventures.
- Working on behalf of New England Governors and Eastern Canadian Premiers Conference regarding development initiatives in appropriately scaled technologies in agriculture. (Conference meets in P.E.I. in June 1983 for first time in nine years).
- Working with Department of Fisheries and Industry regarding National Research Council funded proposed Appropriate Engineering and Technology Centre for Atlantic Canada. Produced background paper on agricultural component of Centre.
- Working with U.P.E.I. on 1) ARIES farm report and 2) Telidon joint agriculture/university project.

Commodity Education Projects

Projects involving all of the agricultural commodity groups were conducted. These included:

"Foods Fantastic...from P.E.I." — a consumer workshop consisting of demonstrations, and a tasting party of Island agricultural and fishery products was conducted in Charlottetown with 225 persons attending and in Summerside with 200 attending. The workshops, a joint project of all commodity groups and organizations, P.E.I. Market Development Centre, and the Federated

Women's Institutes of P.E.I., were coordinated by the P.E.I. Department of Agriculture.

"Country Kitchen" and "Country Corner" consist of biweekly newspaper releases with photographs, features Island agricultural producers' wives, their on farm activities and helps promote their products through sharing their favorite family tested recipe of the agricultural product they produce.

"Food News" is a week day one minute food commentary carried on radio stations.

The Promotion Specialist was responsible for the researching, writing and airing of 260 "Food News" releases whose purpose is to share with consumers new and old favorite uses of Island agriculture products, and the problems and concerns in producing and marketing these products.

"Farm Business for Farm Women" are workshop sessions on how to promote your product and your industry conducted at this farm women's conference.

Administration Section

The Department's Administration Section consists of two Switchboard Operators, one at 11 Kent Street and one at the Research Station, a Mailman, two Clerks, a Management Information Coordinator and the Director.

This section processes all of the financial, personnel and administrative transactions of the Department.

The Administrative Section prepares the annual budget for submission to Treasury Board. In addition, the Section carries out a monitoring function to ensure that expenditures are made in accordance with the budget.

Due to changs in the method of preparing expenditures for payment, the Section has taken on more of an audit role in the past year.

Management Information System

The Management Information System underwent major changes last winter by Computer Services Division and in April, 1982, the system began processing the phase III grant applications. Phase II data is still being maintained on the system. The 4-H program is beginning its fourth year of computerization which they use fully to their best advantage. Although the School Milk Program has not changed its input data since its beginning two years ago, output has been developed to give them all necessary consumption statistics and an accurate record keeping system.

All applications, plans, and claims for Forestry's Woodlot Incentive Program have been computerized and it is hoped that in the new year, their data can be separated from the Agriculture data.

New programs presently being computerized include the Junior Farmer organization which is in the process of entering their membership. A sample system has been developed for the Veterinary Pathology Laboratory but nothing more can be done until funding for hardware is guaranteed. Initial work for computerizing the P.E.I. Quality Swine project is in progress and it is hoped that their needs will be met early in the new year.

In addition to the regular system reports, over 200 ad hoc requests were answered during the past year.

Information Section

News of all new programs and policies of the P.E.I. Department of Agriculture and extension information was spread quickly to the agricultural community through the services of the Information Section.

The Section is responsible for media relations, advertising, daily and weekly farm broadcasts, news releases and a monthly agricultural magazine.

Technical Publications

The section processed a number of Agri-fact sheets, coordinated the publishing of Atlantic joint publications, processed several publications specifically designed for P.E.I., and advertised their availability.

Farm News Radio Service

All private radio stations on P.E.I. carried

Department programming which includes Farm Report, Focus on Farming, This Week in Farming, W.I. News, Farm & Forest News, Food News, 4-H, Preserving the Harvest, as well as the Farm Market Report. These programs provide agricultural news and market information to farm clientele and provide the public with insight into the Island agricultural industry.

Press Work

The Section provides commodity market reports to the weekly agricultural newspaper, sends out a daily and weekly news package, prepares agricultural features and provides media coverage on Island breeders in exhibitions. It also provides assistance to farm organizations wishing to deal with the media.

Photography

Photography services are provided by the Section for black and white, color print, and slide production. These services are used to support the department's promotion, teaching and extension programs.

Advertising

All advertising of the department is coordinated through the Section.

Miscellaneous

The Section is also responsible for special projects. This could include agricultural brochures, flyers, books, and printing, editing and layout, slide-tape presentations, promotions' campaigns, and special events planning. In 1982, the Section sponsored a series of staff training workshops on communications and began planning a media orientation session. The Section also maintains the producers' commodity lists.

The Information Section is staffed by the Acting Director of Information and one secretary.

Prince Edward Island Milk Commission

The Milk Commission, as outlined under the Milk Act, provides for the control and regulation of the production and marketing of milk within Prince Edward Island.

Seventeen regular meetings were held in 1982. In addition, the Commission scheduled various meetings with the Dairy Producers' Association Executive, the National Farmers' Union, the Fluid Processors' Association, management of the industrial mik plants, the Select Standing Committee on Agriculture, the Deputy Minister and Minister of Agriculture and Forestry and personnel from various government departments. The Commission was represented at the P.E.I. Dairy Producers' Annual Meeting in January, the Atlantic Dairy Council Annual Meeting in June and several meetings with staff of the other Maritime Milk Commissions.

Many meetings were held throughout the year with the Milk Market Sharing Quota Board and considerable assistance was provided by Commission staff in the administration of Market Sharing Quotas.

The Advisory Committee to the Commission experienced a more active year, dealing with problems of the dairy industry and providing guidance for the Commissioners.

The Milk Act Regulations were amended several times throughout the year, particularly those dealing with milk prices and transportation rates, to keep abreast of the industry.

Two programs were administered for dairy producers. Under the Cream Producers' Assistance Program and the Winter Incentive Program $87,000 was disbursed to deserving producers. The Winter Incentive Program will be discontinued in 1983.

The Commission continued to administer the Class #1 Milk Pool for Island fluid milk producers for the seventh year.

Women's Institute

Since the organization of Women's Institute in this province by the Department of Agriculture in 1913, a cooperative working relationship has existed between the two groups in the development and delivery of programs to meet the needs of rural Islanders. The Women's Institute Act identifies the terms under which the organization operates.

Producer-Consumer Understanding

The second campaign to improve public appreciation and understanding of agriculture was carried out by the Women's Institute in 1982. The program continued to use the theme "From Farm To Table", and in 1982 attempted to have more active participation by various farm and commodity organizations. Activities to achieve the objectives included: a revised coloring book on Island agriculture printed and distributed to all Grade III students; a series of radio and newspaper interviews to feature major agricultural commodities; monthly fact sheets to Women's Institute branches; an appreciation luncheon hosted by the Department of Agriculture for leaders in farm and rural organizations and media representatives with a guest speaker. A new feature in 1982 was "Foods Fantastic", a two hour program of demonstrations featuring innovative ways to use Island agriculture and fish products in daily menus. Two programs were

held in Charlottetown in April, and two more in Summerside in November. All programs involved Women's Institute, the Department of Agriculture, Market Development Centre, and commodity organizations in presenting to the general public information on agriculture and ideas to incorporate Island products into food habits.

The various aspects of the project were evaluated by the Committee using both questionnaires and telephone interviews. The general result of the program was judged to be useful. Some adjustments to the program are being incorporated into plans for the 1983 campaign.

Food Preservation Information Section

With the support and assistance of the Department of Agriculture, Women's Institute sponsored a food preservation information program from June till October '82. Daily radio programs were sponsored by local firms on Island radio stations. A home economist was available via a toll free information number and answered questions or provided information to over 600 callers. Food Advisory Services of Agriculture Canada provided research expertise as a resource to the program. A sample of users of the service were invited to evaluate the effectiveness of the service through a mailed questionnaire. The response was favorable and recommended a continuation of the service in the future.

Program Library

One of the main projects of the Provincial Board is to develop and maintain a library of study packages which are available free to Women's Institute branches for use in preparing and presenting the educational portion of their activities. A library of 19 topics was available in 1982. Records indicated there were 340 loans from the library to reach an approximate audience of 5,100 women.

Leadership and Personal Development

The interest in continued development of leadership skills among the organization's members is evident in participation at the annual workshops provided. A series of seven workshops held in various locations in the province in October and November provided members of the local branches an opportunity to consider the image of their organiztion as reflected through their public relations.

The annual workshop for leaders at the convention area level focused on information and skills required to plan and conduct an effective convention.

A two day seminar for the Board of Directors included leaders on topics including: personal development; program planning and implementation; effective use of radio interviews; use of basic audio-visual equipment.

In the more general area of personal development, Women's Institute once again received financial assistance from the Secretary of State to sponsor four seminars for Island women. A Health Educator from Manitoba was keynote speaker on the theme "Positive Choices For Women". The theme was further developed through a choice of short workshops on related topics. Approximately 400 women attended the seminars.

Conventions

A former Deputy Minister of Social Services was theme speaker for the Provincial Convention held at Confederation Centre in June on the theme "Women — Positive Choices and Responsibilities". Approximately 475 delegates from across the province attended the business and study sessions offered at the two day convention.

The national convention of the Federated Women's Institutes of Canada was held in Fredericton in June with a full delegation of 26 Island members attending. The conference focused on the topic "Concerns and Challenges" with plenary speakers addressing the ladies. The new president for 82-85 is an Island member.

Provincial Handcraft and Art Exhibition

The 1982 Handcrafts and Arts Division of the Provincial Exhibition attracted approximately 225 competitors. The Exhibition was again operated by a committee of the Women's Institute with the assistance of more than 115 volunteers from many sections of the province. The recognition of top quality workmanship through awarding special prizes in major categories continued to be a highlight of the fair.

In response to requests from membership, and in the interests of maintaining high quality workmanship, the Provincial Board sponsored a series of workshops in November. Four workshops for basic skills had a total attendance of 114, while a one day workshop for advanced quilters with specialized leaders had a capacity audience of 62.

Other Activities

The Helen Herring Scholarship was awarded to a student entering her final year leading to a degree in home economics.

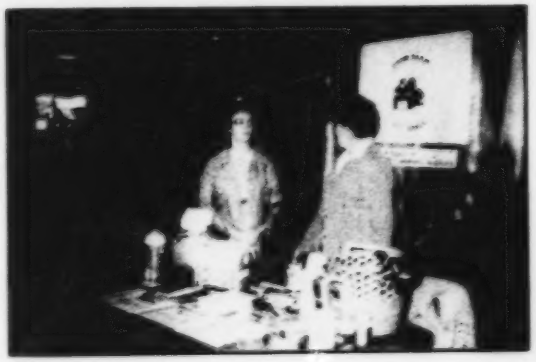
The Women's Institute and Summerside Lobster Carnival again cosponsored the Woman of the Year Award in recognition of outstanding contributions by Island women to family and community life.

Members from across the province participated in activities during Environment Week sponsored by the Department of Community Affairs and several interested organizations. Women's Institute again spearheaded the annual roadside cleanup in an effort to increase public awareness of the environmental problems caused by litter.

A provincial seminar on the issue of pensions for women was held in May with financial assistance from Health and Welfare Canada. Women's Institute was one of the local sponsoring groups.

A recipe book was compiled by the Provincial Board during the year, and went on sale in December. Sales of the book are one of the main sources of income for ongoing Women's Institute educational projects.

During the year a new branch of the Women's Institute was organized under the Women's Institute Act by the Provincial President at Rollo Bay-Souris West.



Through the assistance of a Canada Community Development Project the Provincial Board was able to hire a researcher whose task it was to compile a background paper on the major social issues impacting on family life in the Province. As a follow up, the organization hopes to influence the types of educational activities and support services needed by families.

With the International Conference for Women's Institute members meeting in Vancouver in June, 1983 the Women's Institutes on Prince Edward Island were active in their support for the national planning committee. Support was given both financially and in kind, with all societies in Canada cooperating to organize a ten day conference of business and study sessions as well as some social events for 2,200 delegates from approximately 60 countries. Local plans include the hosting of a post conference bus tour of international delegates.

In addition to activities related to the conference, a study program on Brazil was developed to compliment the campaign among Island members to raise funds for the establishment of training centres for women in rural Brazil.

Prince Edward Island Marketing Council

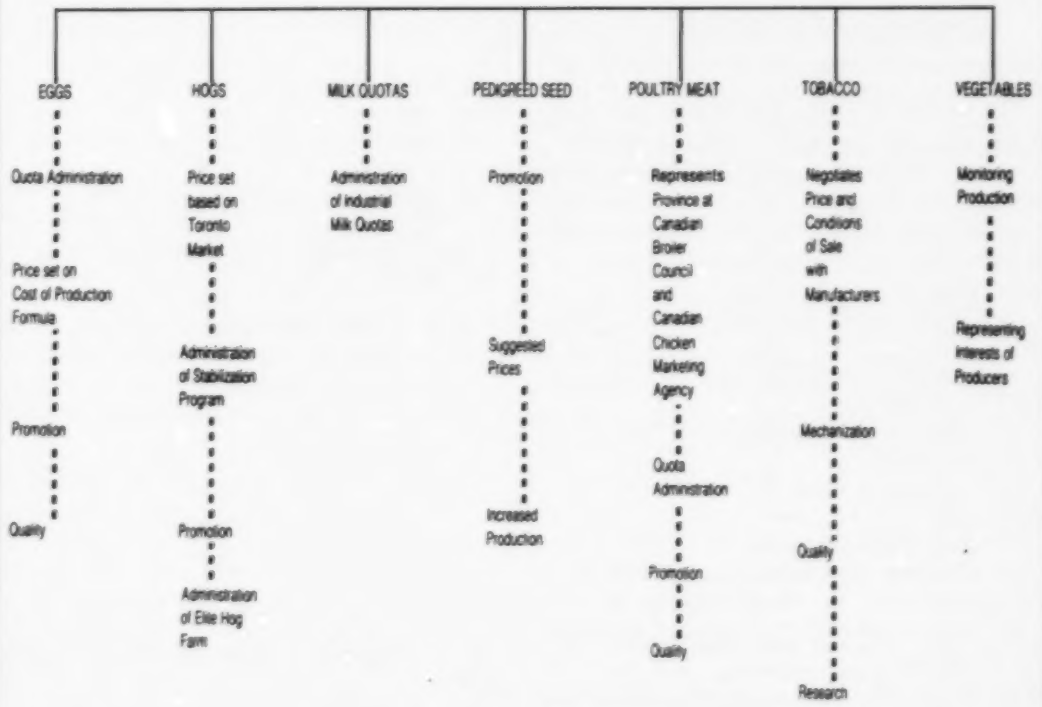
The Prince Edward Island Marketing Council is constituted under the National Products Marketing Act R.S.P.E.I. 1974 cap.N-2 and is responsible for the supervision of the activities of commodity marketing boards and commodity groups operating under the Act.

The general economic turndown in Canada caused havoc in many commodities during 1982. Those with an orderly marketing system, particularly those with supply management, while experiencing some discomfort and new challenges, faired better than most commodities operating on the open market system.

As a result of an amendment to the Natural Products Marketing Act, passed during the 4th session of the 55th General Assembly, a new form of farm organization was introduced to P.E.I. Through the new legislation province-wide association of producers marketing a specific commodity are, at their request, designated as commodity groups by the Minister of Agriculture on the recommendation of the P.E.I. Marketing Council. These commodity groups are empowered to have the opportunity, however, to be either exempted from the levy or to request a refund.

The P.E.I. Cattlemen's Association is the first group to take advantage of the new legislation. The association will begin deducting levy from all animals sold for slaughter or through auction barns early in 1983. The levy revenue will be used to participate in a national beef promotion campaign sponsored by the Canadian Cattlemen's Association and to provide for the general administraiton of the provincial association.

PRINCE EDWARD ISLAND MARKETING COUNCIL
NATURAL PRODUCTS
MARKETING ACT RSPEI '74 N-2
COMMODITY BOARDS



Commodity Group
P.E.I. Cattlemen's Association

CONTACT – P.E.I. Marketing Council (J.H. Sandham) 892-4101

The P.E.I. Marketing Council consists of:

Joseph C. Gaudin (Chairman),Charlottetown
Elmer Waugh, R.R. No. 3, Summerside
Arthur Bruce, East Baltic
Charles Yeo, St. Eleanors
Don Baker, Market Development
Dave Faulkner, Dept. of Agriculture & Foretsry
Dave Younker, Dept. of Fisheries

The staff consists of J.M. Sandham, General Manager and Paul Jelley,

The Boards and their Directors in 1982 are:

P.E.I. Milk Market Sharing Quota Board

Mr. S.L. Caseley - Chairman, Kensington, R.R. No. 4, P.E.I. COB 1M0

Mr. A.G. MacRae - Secretary & Manager, 420 University Ave., Farm Centre, Charlottetown, P.E.I. C1A 7Z5

Mr. Lloyd Furness, Vernon Bridge, P.E.I. COA 2E0

Mr. Norman McPhail, Cornwall, R.R. No. 2, P.E.I COA 1H0

Mr. Keith Barrett, Miscouche, R.R. No. 1, P.E.I. COB 1T0

Mr. Garfield MacPhee, North Wiltshire, P.E.I. COA 1Y0

Mr. Reg Adams, O'Leary, P.E.I. COB 1V0

Mr. Ellsworth Ross, Montague, R.R. No. 3, P.E.I. COA 1R0

Mr. Fred Handrahan, Mt. Stewart, R.R. No. 5, P.E.I. COA 1T0

P.E.I. Vegetable Commodity Board

(THE VEGETABLE BOARD IS INACTIVE)

Mr. Leslie Underhay - Chairman, Souris, R.R. No. 4, P.E.I. COA 2B0

Mr. John Sandham - Acting Secretary, P.O. Box 2000, Departn ent of Agriculture & Forestry, Charlottetown, P.E.I. C1A 7N8

Mr. David Harper, P.O. Box 131, Tignish, P.E.I. COB 2B0

Mr. Leaman Callbeck, Albany, P.E.I. COB 1A0

Mr. Stanley Watts, North Wiltshire, P.E.I. COA 1Y0

Mr. Donald Drake, Vernon, R.R. No. 3, P.E.I. COA 2E0

P.E.I. Egg Commodity Marketing Board

Mr. Bert Haneveld - Chairman, Montague, R.R. No. 2, P.E.I. COA 1R0

Mr. Alvin MacDonald, Manager, 420 University Ave., Farm Centre, Charlottetown, P.E.I. C1A 7Z5

Mr. Lorne McNeil, O'Leary, R.R. No. 1, P.E.I. COB 1V0

Mr. Eldred Simmons, Summerside, R.R. No. 3, P.E.I. C1N 4J9

Mr. Carlyle Caseley, Kensington, R.R. No. 5, P.E.I. COB 1M0

Mr. Arnold Vriends, Covehead Road, Little York, R.R. No. 1, P.E.I. COA 1P0

P.E.I. Tobacco Commodity Marketing Board

Mr.Cornelius Lamers - Chairman, Montague, R.R. No. 3, P.E.I. COA 1R0

Mr. Bill Teselaar - Vice-Chairman, Belfast, R.R. No. 3, P.E.I. COA 1A0

Mr. Lynwood MacPherson, Belfast, P.E.I. COA 1A0

Mr. John MacKinnon, Kinross

Mr. Harry Nabuurs, Cardigan R.R. No. 2, P.E.I. COA 1R0

Mr. Mark Vanneste, Valleyfield

P.E.I. Pedigreed Seed Commodity Marketing Board

Mr. Harvey Mitchell - Chairman, Cardigan R.R., P.E.I. COA 1E0

Mr. Ron McInnis - Secretary-Treasurer, c/o Crop Insurance, Kent Place, Kent St., Charlottetown, P.E.I.

Mr. Jim Murphy, 223 University Ave., Charlottetown, P.E.I., C1A 4L6

Mr. David Smith, Cavendish, Hunter River, R.R. No. 2, P.E.I. COA 1N0

Mr. B.B. Jones, Charlottetown, R.R. No. 5, P.E.I. C1A 7J8

Mr. Reginald Hamill, Albany, P.E.I. COB 1A0

P.E.I. Poultry Meat Commodity Marketing Board

Duties assumed by
P.E.I. Marketing Council
Dec. 8, 1982
Contact: J.M. Sandham

P.E.I. Hog Commodity Marketing Board

Mr. Winston Smith, Chairman, Vernon P.O., Millview, P.E.I. COA 2E0

Mr. Don Mutch, Manager, Farm Centre, University Ave., Charlotettown, P.E.I.

Mr. George Ployer, Cardigan R.R. No. 4, P.E.I. COA 1E0

Mr. Neil McDonald, Montague R.R. No. 5, P.E.I. COA 1R0

Mr. Willard MacPhail, Cornwall, R.R. No. 4, P.E.I., COA 1H0

Mr. Alvin Yeo, O'Leary R.R. No. 2, P.E.I. COB 1U0

Mr. Garth Marchbank, Summerside R.R. 2, P.E.I. C2N 4J8

The P.E.I. Association of Commodity Boards was formed in March. It consists of the Chairmen of the commodity boards in the province. Its express purposes are to provide for better communications among boards operating under the Act, and to promote the commodity board concept to the public and producers. Its first project was a display exhibited at agricultural fairs throughout the province. The display met with many favorable comments and was considered a success.

Effective December 18, 1982, the Council assumed the functions, assets and liabilities of the P.E.I. Poultry Meat Commodity Marketing Board. This was due mainly to the repercussions of the closing in May, 1980 of the only processing plant in the province. Council will attempt to generate grower interest in the board. Once they are prepared to operate the board, the Council will return the responsibility to producers.

During 1982, the P.E.I. Marketing Council heard two producer appeals of decisions made by commodity boards. Council ruled in favor of the board in one instance, while in the other instance, it upheld the producer's appeal.

Forestry Branch

Introduction

Late in 1982 the Forestry Branch received confirmation that Federal funding of programs for 1983-84 would be forthcoming. This indication of support for the private land management program implemented in recent years ensures that forest improvement work will progress satisfactorily. Interest in the program by landowners has met expectations set for the five year duration of the project.

Wood for energy has continued to capture public support. The success experienced at the Montague Hospital wood chip heating plant has led a number of large industrial and institutional concerns to seriously look at wood chips for energy. Wood demand for domestic heating supplies is estimated to have grown by almost 50% since 1980 and although pulpwood and sawlog production are down there appears to be no lack of employment in wood related employment.

Private sector interest in the future of forestry in this Province has resulted in submissions being made to Federal and Provincial Government representatives and to the McQuaid Electrical Inquiry. This commitment has, as well, resulted in the establishment of three regional groups which will present forest landowners and industry ideas to Government.

Operations

The Operations Section is responsible for seedling production, district operations, the Woodlot Management Incentive Program, the forest biomass inventory and the retail operation of Bunbury Nursery. Reforestation has remained constant at 1.2 million seedlings with the ratio of private land planting versus Crown land being about 50:50. Contract planting has continued with almost 50% of the planting being done by two private firms.

Stand improvement on Crown held properties totaled 87.9 hectares and on private lands 800 hectares. Harvesting on Crown lands totaled 132.1 hectares.

Eastern District Operations

For the first time planting site preparation was higher on private land than on Crown lands with 106 and 73 hectares respectively. The majority of the site preparation was divided between the Rhome Disc and the Eden Brush Rake. Several small areas were prepared using such methods as chemical treatment, full tree utilization and agricultural equipment.

Private contractors and government crews were responsible for planting 270,000 and 115,000 seedlings respectively. With the inclusion of pickup orders and Boy Scout plantings, a total of 404,000 trees were planted. Black spruce was again the main species accounting for 56 percent of the total.

Stand improvement work on Crown land totalled 12 hectares of merchantable thinning. Contracts were not utilized as all the contractors were fully occupied on private land projects.

Thirty-seven hectares of plantation maintenance was undertaken using herbicides to control competition. Twenty-five fire calls which resulted in 36 hectares being burned were responded to by staff and volunteer fire departments.

Poor market conditions were reflected in the low response to commercial harvests on Crown land. Only 45 of the 90 hectares offered were purchased. Only 15 of 24 hectares offered as group venture fuel wood cuts were taken while

all six hectares offered as tendered U cuts were taken.

Wood harvested through employment projects on Crown lands was disposed of through public sale. Ninety percent of the 320 cords offered was sold.

District staff were heavily involved in public information programs through conducting tours, development of private land management plans, work at local fairs, work with community schools and service groups, and continued development of demonstration woodlots.

Central District Operations

Sixty-six hectares of land were planted in the Central District (28 hectares private and 38 hectares Crown) totalling 176,155 trees with an additional 15,875 trees being distributed through pickup orders and 20,000 trees for Boy Scout Arbor Day plantings. Planting trials of several red pine bare root stocks were initiated and trial plantations of container grown balsam fir were established on the lands of two Christmas tree growers. An allocation policy was devised for the distribution of balsam fir in 1983-1985.

Six Crown Land sites were thinned for a total of 55.2 hectares (98.5% softwood stands) and 7.8 hectares of plantations were treated with herbicides. One experimental application on 1.5 hectares was done with a new herbicide (triclopyr). The increase activity on Policy #5 lands resulted in a shift in the emphasis on site preparation from Crown land (19.5 hectares) to private land (28.2 hectares). The Rhome disc and Eden Brush Rake were used as mechanical scarifiers.

Policy #5 totals now include 265 applicants, 180 plans written and 123 plans signed. In the past year four new silvicultural contractors, employing up to 24 men, were active in the District in addition to three existing crews. District staff participated in the Brookvale Equipment Demonstration, and were active with youth groups, client tours, field days and other demonstrations.

Twenty-four fire calls were responded to (103 hectares burned) and one controlled burn was attempted with Western District staff.

A Management Plan was prepared in conjunction with the Royalty Oaks Management Committee for the natural area in East Royalty.

Western District Operations

During 1982 the Western District staff delivered a Forest Mangement Program encompassing both Crown and private land. District staff also tested a U-Cut system whereby a contractor successfully tendered on standing wood then sold the wood in small quantities to the general public. Besides normal stumpage contracts being issued there were sales of harvested wood from the cleanup of old clearcuts and from a commercial thinning.

Planting on Crown land totalled 314,395 seedlings, while on private land it totalled 259,779 seedlings. Although reforestation sites are not normally treated for competition until the year following establishment, a number of the Crown lands areas were sprayed manually with glyphosate and simazine to eliminate excessive vegetative competition. Assessment of such plantation maintenance on the 1981 crop revealed an 85 percent reduction in competition and a 15 percent increase in leader growth.

Assessment of the impact of site preparation techniques on frost heaving damage to seedlings is shown on Table 3.

During 1982, 120 applications were received for the Department's Forest Management Incentives Program. Staff wrote 95 plans of which 85 were signed.

Forest Management Incentives Program

As a result of the work carried out under this program, the number of silvicultural workers employed by contractors has increased over last year. Improved efficiency of field and office staff has been achieved through the use of a computer to print forest management plans specific to each individual's woodlot.

Forest Biomass Inventory and Mapping

Biomass Inventory Data for the entire Province has been incorporated into the provincial computer system. The data base has been extended to include clear-cuts, plantations and alder stands.

Stand mapping and data analysis was completed. Orthophoto base maps and forest cover type overlays at a scale of 1:10,000 are now available for the entire Province from the Silviculture Development Section on Upton Road. Requests for inventory information are being handled upon demand.

Local volume tables, total volume, merchantable volume and tree biomass for commercial tree species of the Province were completed and published.

Tree Improvement

The second of two black spruce plus tree seedling seed orchards was grown, to be outplanted in the spring of 1983. From these two orchards, seed of superior quality will be produced to supply the Province's reforestation program, beginning approximately 1995.

The target of 25 plus larch selections was not met but, of the 18 selected, six were graded as among the best in the Maritimes by the New Brunswick Tree Improvement Council.

The larch grafting program for the production of a superior larch seed was a success.

In June 1981 an experiment was begun to determine the feasibility of growing balsam fir under precisely controlled greenhouse conditions. This was a success, and another crop is being cultivated. The procedure—the first successful one for growing balsam fir throughout the winter in a greenhouse—could result in a two to three year reduction in growing plants for the Christmas Tree Industry.

A total of 41,000 seedlings were planted in 1982 in the development of seed orchards and growth trials of selected species.

Silviculture

Silvicultural research and development evaluates the various aspects of stand improvement work prescribed and practiced by the Forestry Branch.

Reforestation trials based on the relationship between site preparation method, planting stock type and species, established in 1980 and 1981, were measured in 1982. Base data measurements of growth responses to thinnings were collected for mixed hardwoods and white spruce stands.

A new series of technical articles, **Development Notes,** was initiated. Two "notes" were printed in 1982, one concerning productivity of equipment used in processing fuel wood, the other evaluating fuel wood extraction equipment. The National Research Council of Canada ENFOR project, begun in 1981, was completed in 1982. This project evaluated the economics of harvesting fuel wood in common stand types on P.E.I., using a variety of extraction equipment. A report on the project was published by the Maritimes Forest Research Centre, Fredericton, in 1982.

The first Small Woodlot Equipment Demonstration was held at Brookvale in the fall of 1982. The positive response to this event guaranteed its annual occurrence.

Field Services

Staff of the Field Services Section supply information to the public on Branch programs. They also provide technical information and training programs.

Public Information Activities

Twice weekly programs are made available to local radio stations and a monthly newsletter, CornerPost, is issued by the Department of Agriculture.

Section staff work closely with the local CBC-TV station in identifying and developing topics for use on a local resource oriented program. This year a video tape was produced and used

by District staff to promote an awareness of efficient woodlot management techniques prescribed under the Forest Management Incentives Program.

Training

A broad variety of formal and informal training programs were offered including part-time instruction for 15 people on a Woodlot Management Course and 10 people on a Business Management Course for Forestry Contractors both in cooperation with Holland College and the Management Development Fund.

Also undertaken were a Sawmill Seminar, a Diesel Troubleshooting Workshop for 30 people and training programs for students on the Windbreak Planning Project and participants on the U.I. Job Creation Project.

Field days were conducted including a Horse Logging Demonstration and Christmas Tree Shearing Demonstration, a tour to acquaint Canada Employment Centre Counsellors with forest industry problems and tours for individuals or small groups looking at Christmas Tree Production.

Industry Activities

The Forest Industry Specialist provides a technical advisory service to forestry firms directed toward the proper selection of equipment for millers and forestry contractors. A major effort this year has been to attempt to maintain wood harvesting and processing even with the slow economy.

A major initiative of the Forestry Branch in 1982 was to promote an organization to represent the concerns of woodlot owners and the forest industry sector. To date, local associations have been formed in each of the three forestry districts.

The Branch assisted an ad hoc forest industry group in developing presentations made to both Federal and Provincial levels of Government regarding forest development program funding. The same group presented a brief on wood energy.

Assistance was provided to silvicultural contractors in drafting a proposal to acquire U.I.C. and Canadian Forestry Service funding for a private woodlot program.

Forest Nursery

Bare root and container production of reforestation stock totalled 1.2 million seedlings in 1982. Nine species were produced for client use with major emphasis being on black spruce, eastern larch and red pine. Late in the season a large quantity of jack pine container stock was sold to a New Brunswick company, Boise-Cascade, for reforestation. These trees were surplus to provincial needs for jack pine.

This year a relatively unique approach to seedling production was undertaken with eastern larch. Due to a poor cone crop, few seeds were collected. This necessitated the use of vegetative propagation techniques whereby cuttings from selected trees were rooted in a growing medium and grown to a suitable size for outplanting.

The winter crop of seedlings planted in the production greenhouses in the fall of 1982 are being grown in a new, larger, Maritime produced container called the Can-Am 3. This container will result in larger seedlings for reforestation projects on more difficult and exposed sites.

Following the successful growth of balsam fir in the Forestry Branch's research greenhouses, the seedlings for future Christmas Tree plantations are now being grown in the production houses.

Bunbury Nursery

Revenue from the sale of nursery stock showed an increase over the 1980-81 and 1981-82 periods. The demand for trees, shrubs and woody plant material was good from individual home owners. Fall bulb sales were down in 1982, as they were over the region as a whole.

The number of new home owners seeking landscape advice was down due to the lack of new home construction, however, results for advice on gardening increased. The most noticeable increase in 1982 was for identification of insects and diseases.

Bedding Plant Trials continued in 1982 and Shrub Trials, in cooperation with the Atlantic Crops Advisory Committee on Ornamentals and Greenhouse, was started on P.E.I.

The Bedding Plant material was produced at Bunbury Nursery and planted at the Research Station in Charlottetown for public viewing. Response from the bedding plant industry and the general public has been good. The end result is to find the varieties best suited to local conditions.

The Shrub Trials were started at the Nursery by planting 34 varieties (100 plants) — many had not been grown in the Atlantic area to any degree. The evaluation will start in 1983 after the plants complete their first winter.

A number of radio and television shows were completed for local programing and annual commitments to education and judging events were met.

Several buildings on the Nursery were repaired by the Department of Public Works in 1982, with the connection of the unit to the Village Sewage system being the largest project.

Environmental Management

This multidiscipline project to develop environmentally acceptable forest management guidelines was expanded from its western base in Enmore. Assessment equipment was located on a Forestry Demonstration Woodlot in Valleyfield. Results from both areas, although preliminary at Valleyfield, indicate that there are no significant environmental problems caused by intensive forest management practices. Certain mammal and plant communities are influenced but the changes appear to create a diversity of sites for other species to move into.

Water quality assessments show that careful implementation of forest road construction guidelines as well as stand and site improvement work do not cause stream siltation or water temperature fluctuations.

C.E.I.C.

Several programs jointly sponsored by Federal and Provincial governments were participated in this year. During the summer of 1982, 24 students were employed to develop windbreak planting plans. The program was well received and should result in upwards of 200,000 trees being planted in 1983. As a follow-up to this program a project to assess windbreak quality and design was established under the Canada-Prince Edward Island Forestry Job Creation Agreement.

Other projects under this Agreement include stand improvement work in Provincial Parks, clearing on Provincial Highways, and maintenance of sight lines for the provincial survey monument system.

SITE PREPARATION WESTERN DISTRICT	
HYDRO AXE - OLD FIELDS	147 ha.
HERBICIDES - OLD FIELDS	9 ha.
BOMAG - OLD FIELD	5 ha.
FARM MACHINERY	3 ha.
BRUSH RAKE	15 ha.
AVERAGE COST $206/ha.	

% FROST HEAVING OF SEEDLINGS BY SITE PREPARATION TECHNIQUE — WESTERN DISTRICT	
SITE PREPARATION EQUIPMENT	% FROST HEAVED
V Plow	17
Bomag	8
Bedding Plow	6.5
C & H Plow	2
Cutover (No prep)	0
Craig Roller	0

SUMMARY OF 1982 TREE PLANTING

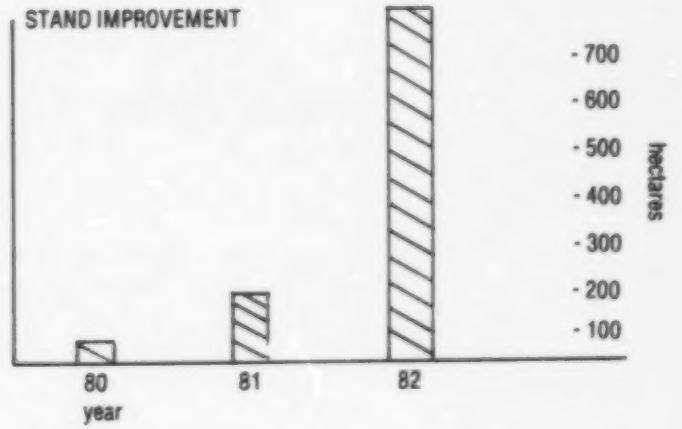
District	Black Spruce	Eastern Larch	Red Pine	Jack Pine	White Spruce	Hybrid Poplar	Austrian Pine	Norway Spruce	Japanese Larch	Cedar	Total	%
Eastern	227,581	4,810	15,335	62,695	20,210	3,210	1,600		65,080	3,750	404,271	34
Central	76,329	19,054	18,219	30,402	19,414	19,075	4,000	533	500	900	210,545	18
Western	364,321	70,950	12,800	44,030	36,870	6,625	3,050		35,460	6,060	588,174	48
TOTALS	668,231	94,814	46,354	137,135	76,494	28,910	8,650	533	101,040	10,710	1,194,990	
% of TOTAL	56	8		11	6	3	1	—	9	1		

FOREST MANAGEMENT INCENTIVES PROGRAM

APPLICANTS TO DATE	787
PLANS WRITTEN	623
PLANS SIGNED	434

PROGRAM PERFORMANCE 1982 (April - Dec.)

Roads	23.05 km.
Boundary	48.76 km.
Stand Improvement	768.86 ha.
Stand Reclamation	142.69 ha.
Site Preparation	178.78 ha.



DEPARTMENT OF AGRICULTURE & FORESTRY
Financial Statement
Year Ending March 31, 1982

ADMINISTRATION	
Salaries & Wages	$ 273,578.54
Travel	24,572.34
Leased Vehicles	3,801.67
Office Supplies	1,842.91
Telephone & Telegraph	34,810.69
Entertainment	1,787.32
Miscellaneous	1,163.74
Equipment-Vehicle	13,420.00
Material & Supplies	5,121.59
Professional Services	1,000.00
	361,098.80
OPERATIONS	
Salaries & Wages	128,635.02
Travel	3,255.48
Office Supplies	434.67
Materials & Supplies	211.59
	132,536.76
INFORMATION	
Salaries & Wages	66,557.31
Travel	6,301.02
Office Supplies	412.99
Telephone & Telegraph	2,073.69
Professional Services	1,477.95
Equipment	554.36
Field Supplies	285.15
Repairs & Maintenance	86.24
Books & Printing	36,383.84
Advertising	17,913.67
Miscellaneous	187.40
Entertainment	265.00
	132,498.62

MARKETING	
Salaries & Wages	221,095.24
Office Supplies	1,074.99
Entertainment	712.03
Field Supplies	8,416.38
Repairs & Maintenance	722.47
Books & Printing	8,776.04
Advertising	1,594.56
Equipment Rental	1,356.85
Miscellaneous	615.95
Professional Services	3,216.00
Travel	33,457.43
GRANTS:	
Commodity Promo. Education	18,926.22
Hog Transportation Assistance	22,000.00
Hog Assembly Yard Interest	1,044.17
Production & Market Guarantee	96,857.94
Cdn. Seed Export Agency	50,000.00
Potato Marketing Co-ord	57,800.55
Cole Crop Project	195,456.00
Beef Assistance Program	674,680.00
School Math	60,000.00
Quality Swine Ext.	99,854.34
	1,557,657.16
HOG STABILIZATION	
Administration	22,000.00
Interest	160,186.67
Grant	716,480.13
	898,666.80
TECHNICAL SERVICES-BRANCH MANAGEMENT	
Salaries & Wages	75,474.60
Travel	2,812.03
Owned Vehicles	2,294.59
Office Supplies	2,502.44
Telephone & Telegraph	34,010.83
Miscellaneous	186.89
Books & Printing	6,479.15
Equipment Vehicle	8,470.00
Repairs & Maintenance	160.60
Equipment Rental	345.68
	132,736.81

LAND RESOURCES	
Salaries & Wages	401,640.24
Travel	22,742.30
Leased Vehicles	12,486.56
Office Supplies	4,177.39
Miscellaneous	123.08
Office Equipment	2,974.68
Field Equipment	26,004.70
Field Supplies	18,480.15
Fuel	5,344.03
Light & Power	437.75
Repairs & Maintenance	4,451.47
Books & Printing	1,539.34
Equipment Rental	3,390.88
Land Rental	425.00
Professional Services-Contract	19,507.13
Computer	2,095.83
	525,820.53
DISEASE & WEED CONTROL	
Salaries & Wages	214,503.39
Travel	16,077.33
Leased Vehicles	7,737.96
Office Supplies	262.14
Telephone	130.62
Equipment Rental	27,371.61
Miscellaneous	120.34
Potato Seed Incentive Program	80,000.00
Field Supplies	4,352.70
Books & Printing	144.96
	350,701.05
POTATO DISEASE CONTROL	
Salaries & Wages	113,911.37
Travel	3,209.79
Field Equipment	18,307.01
Field Supplies	9,198.89
Fuel	2,371.49
Repairs & Maintenance	4,338.56
Equipment Rental	16,406.83
Contract Services	68,220.80
	235,964.74

LIMESTONE INCENTIVE	
Grants	776,108.80
LAND MANAGEMENT & SOIL CONSERVATION	
Field Supplies	13,283.87
Equipment Rental	391.60
Contract Services	56,856.07
Salaries & Wages	14,034.01
Travel	4,200.39
Leased Vehicles	222.27
Repairs & Maintenance	718.03
Books & Printing	342.10
	90,048.34
FIELD SERVICES-BRANCH MANAGEMENT	
Salaries & Wages	96,760.71
Travel	3,576.77
Office Supplies	363.69
	100,701.17
FARM & HOME MANAGEMENT	
Professional Services	709.15
Salaries & Wages	55,691.13
Honoraria	450.00
Travel	1,331.59
Office Supplies	753.12
Miscellaneous	187.20
Field Supplies	389.10
Repairs & Maintenance	318.67
Books & Printing	889.20
Entertainment	3,067.48
Field Equipment	274.95
	64,061.95

FARM DEVELOPMENT PROGRAMS	
Salaries & Wages	42,996.11
Honoraria	8,111.72
Travel	4,660.39
Office Supplies	968.10
Insurance	87.01
Entertainment	5,129.91
Repairs & Maintenance	130.85
Field Supplies	883.23
Books & Printing	2,374.81
Miscellaneous	74.20
Consultant	570.00
Contract Services	15,367.51
Farm Dev. Program	286,420.00
New Farmer Program	776,786.00
Comm. Dev. Incentive Program	84,139.00
CanFarm	1,663.96
	1,230,362.79

DISTRICT OFFICES	
Salaries & Wages	720,801.83
Travel	67,397.02
Leased Vehicles	20,649.02
Office	3,484.40
Telephone & Telegraph	3,075.79
Miscellaneous	302.96
Office Equipment	2,852.17
Field Equipment	2,874.13
Field Supplies	3,667.40
Repairs & Maintenance	1,770.04
Books & Printing	616.84
Advertising	147.41
Equipment Rentals	7,791.20
Grants — 4-H Council	4,500.00
Grants — Agricultural Extension	9,978.29
	849,853.61

LIVESTOCK SERVICES	
Salaries & Wages	202,740.21
Honoraria	5,805.11
Travel	24,552.96
Leased Vehicles	7,531.31
Office	419.65
Miscellaneous	166.35
Field Equipment	4,425.20
Field Supplies	3,676.33
Repairs & Maintenance	883.76
Books & Printing	865.55
Clothing	79.76
Dry Cleaning	709.67
Computer Services	26,507.69
Contract Services	1,500.00
Grants — Swine Genetic Dev.	15,076.31
Grants — Livestock Dev.	2,542.53
	297,482.39

CROPS AND ENGINEERING	
Salaries & Wages	162,664.43
Travel	14,165.37
Leased Vehicles	4,307.50
Office Supplies	1,911.26
Entertainment	835.55
Field Equipment	6,278.32
Field Supplies	1,957.28
Repairs & Maintenance	523.11
Books & Printing	647.47
Equipment Rentals	1,168.00
Miscellaneous	164.07
Grants - Strawberry Development	3,158.50
Grants - Tobacco Development	66.65
Grants - Horticulture Development	4,948.58
Field Crop Dev.	23,292.39
Potato Dev.	1,037.70
	227,126.30

RURAL DEVELOPMENT	
Salaries & Wages	161,478.83
Travel	9,568.13
Office Supplies	2,605.02
Office Rental	490.00
Entertainment	846.00
Miscellaneous	25.00
Field Supplies	5,148.40
Repairs & Maintenance	140.58
Books & Printing	15,712.05
Equipment Rentals	2,667.16
Food	8,000.00
Grants - Ag. Extension	42,014.87
Grants - 4-H Program	14,955.40
Farm Organization Policy	69,418.67
	333,070.99
RURAL DEVELOPMENT	
Grant	4,835.72
4-H Program	9,910.13
	14,745.85
AGRICULTURE EDUCATION	
Grants - Technical Assistance	225,190.50
Grants - Degree Assistance	31,700.00
	256,890.50
GRANTS	
Bees Program	4,000.00
Pedigreed Seed	53,638.24
Cattle Development	47,970.25
Swine Development	61,593.60
Sheep Development	7,176.30
Poultry Development	1,845.60
Bull Bonus	23,400.00
Horse Development	36,657.25
Ewe Retention	8,425.00
Horse Racing Commission	4,000.00
	248,706.24

SMALL FARM EXTENSION	
Salaries & Wages	26,484.25
Office	190.57
Audio-Visual Equipment	448.00
Field Supplies	725.29
Travel	1,612.15
	29,460.26
VETERINARY & DAIRY - BRANCH MANAGEMENT	
Salaries & Wages	38,879.56
Travel	3,811.41
Office Supplies	18,920.51
Repairs & Maintenance	174.69
Books & Printing	390.62
Equipment Rental	1,871.74
Miscellaneous	185.00
Professional Services	58,053.00
	122,321.93
VETERINARY	
Salaries & Wages	211,990.04
Vet Subsidies	66,133.51
Travel	2,145.94
Office Supplies	895.20
Telephone & Telegraph	15,169.14
Field Equipment	4,318.62
Field Supplies	38,890.49
Advertising	133.00
Repairs & Maintenance	3,204.01
Books & Printing	3,165.23
Clothing	122.50
Laboratory Services	941.29
Contract Services	19,434.00
Veterinary Services	739,893.40
	1,106,436.37

ARTIFICIAL BREEDING	
Salaries & Wages	331,214.55
Travel	93,503.09
Leased Vehicles	13,808.44
Office Supplies	826.42
Miscellaneous	20.00
Contract Services	13,860.00
	453,232.50

MICROBIOLOGY	
Repairs & Maintenance	1,335.54
Salaries & Wages	41,608.79
Travel	1,324.81
Field Supplies	23,019.16
Field Equipment	2,949.91
	70,238.21

DAIRY	
Salaries & Wages	166,278.64
Travel	18,572.92
Office Supplies	799.06
Miscellaneous	224.65
Equipment Rental	334.62
Field Supplies	8,182.80
Fuel	242.97
Repairs & Maintenance	3,123.00
Books & Printing	806.37
Household	1,038.38
Clothing	397.50
Dry Cleaning	750.52
Contract Services	1,500.00
	202,251.43

SWINE INSPECTION	
Salaries & Wages	73,487.29
Field Supplies	9,241.27
Fuel	453.48
Repairs & Maintenance	873.36
Equipment Rental	6,099.77
Travel	9,709.43
	99,864.60

DEAD STOCK PICK UP	
Grant	33,411.60

P.E.I. MARKETING BOARD	
Salaries & Wages	74,554.70
Honoraria	6,170.00
Travel	6,252.56
Office Supplies	414.88
Books & Printing	89.00
Advertising	1,185.57
Professional Services	1,079.23
Grants - Commodity Boards	7,202.22
	96,948.16

CROP INSURANCE AGENCY	
Salaries & Wages	153,919.14
Honoraria	2,713.00
Travel	18,149.17
Office Supplies	956.77
Telephone	2,801.04
Entertainment	2,133.91
Repairs & Maintenance	281.78
Office Equipment	211.31
Advertising	1,254.48
Equipment Rental	275.98
Miscellaneous	1,193.06
	183,889.64

P.E.I. MILK COMMISSION	
Salaries & Wages	84,386.62
Honoraria	13,015.00
Travel	4,830.36
Office	2,193.91
Telephone & Telegraph	2,918.41
Office Rental	7,240.04
Miscellaneous	482.00
Office Equipment	324.61
Repairs & Maintenance	109.53
Books & Printing	447.52
Equipment Rentals	229.36
Legal Fees	608.50
Consultant	5,800.00
Grant - Winter Incentive	88,000.00
	210,285.96
W.I. SUPPORT	
Salaries & Wages	58,342.40
Honoraria	438.26
Travel	3,653.56
Office Supplies	452.31
Telephone	795.67
Miscellaneous	206.75
Field Supplies	1,320.19
Books & Printing	1,314.84
Grant	7,000.00
Education Assistance	7,000.00
	80,523.98
TOTAL AGRICULTURE	11,506,759.83

FORESTRY	
ADMINISTRATION	
Salaries & Wages	172,618.15
Travel	2,425.26
Owned Vehicle Costs	4,013.21
Leased Vehicle Costs	34,734.54
Office Supplies	4,114.08
Telephone	14,300.37
Entertainment	698.96
Miscellaneous	839.29
Office Equipment	376.73
Field Equipment	3,997.18
Field Supplies	3,997.37
Repairs & Maintenance	1,121.38
Books & Printing	7,372.49
Equipment Rental	26,908.38
Clothing	326.00
Contract Services	4,514.23
Grant - Maritime Lumber Bureau	6,000.00
	287,659.62
OPERATIONS	
Salaries & Wages	35,746.80
Travel	4,031.24
Leased Vehicle Costs	5,809.01
Field Equipment	3,622.20
Materials & Supplies	10,704.39
Computer Services	1,428.00
Contract Services	264,223.94
Grant - Forestry Incentive Program	165,732.98
	491,298.56

EASTERN DISTRICT

Salaries & Wages	225,339.28
Travel	8,099.36
Owned Vehicle Costs	7,227.90
Leased Vehicle Costs	35,565.59
Office Supplies	511.40
Telephone	3,511.53
Miscellaneous	304.97
Field Equipment	10,098.66
Vehicles	8,666.90
Audio-Visual Equipment	731.38
Field Supplies	12,906.19
Fuel	425.79
Repairs & Maintenance	1,514.88
Books & Printing	2,313.48
Equipment Rental	3,685.00
Clothing	625.52
Miscellaneous	298.91
Contract Services	57,851.00
	379,677.74

CENTRAL DISTRICT

Salaries & Wages	189,870.29
Travel	2,799.32
Owned Vehicle Costs	6,205.68
Leased Vehicle Costs	26,108.94
Office Supplies	283.62
Telephone	3,324.59
Miscellaneous	445.90
Field Equipment	2,805.72
Field Supplies	9,876.10
Repairs & Maintenance	1,505.71
Equipment Rental	94.50
Clothing	927.66
Contract Services	12,144.45
	256,392.48

WESTERN DISTRICT

Salaries & Wages	165,050.87
Travel	4,656.59
Owned Vehicle Costs	14,161.24
Leased Vehicle Costs	10,481.19
Telephone	5,618.27
Miscellaneous	842.59
Field Equipment	462.00
Vehicles	12,232.00
Field Supplies	13,707.94
Repairs & Maintenance	724.77
Books & Printing	982.08
Advertising	540.76
Equipment Rentals	540.76
Clothing	301.52
Contract Services	73,854.24
	304,057.78

DEVELOPMENT & RESEARCH

Salaries & Wages	138,485.06
Travel	5,019.23
Owned Vehicle Costs	486.51
Leased Vehicle Costs	19,529.62
Field Equipment	1,516.13
Field Supplies	5,222.65
Clothing	294.00
Miscellaneous	193.79
Contract Services	3,800.00
	174,546.99

GREENHOUSE

Salaries & Wages	51,553.59
Travel	2,229.96
Leased Vehicle Costs	2,640.00
Field Supplies	6,043.90
Clothing	31.90
	62,498.35

TREE FARM	
Salaries & Wages	433,434.57
Travel	1,675.69
Owned Vehicle Costs	3,453.76
Leased Vehicle Costs	499.34
Field Equipment	14,541.11
Field Supplies	32,843.50
Fuel	11,153.83
Repairs & Maintenance	7,890.59
Advertising	660.00
Equipment Rental	1,477.40
Clothing	381.00
Land Rental	250.00
Miscellaneous	87.49
	508,333.28
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FIELD SERVICES	
Salaries & Wages	146,263.66
Travel	16,364.93
Leased Vehicle Costs	9,326.85
Entertainment	768.90
Miscellaneous	883.87
Field Supplies	1,250.98
Fuel	129.00
Repairs & Maintenance	1,935.66
Books & Printing	479.29
Equipment Rentals	1,882.50
Clothing	230.00
Contract Services	1,148.31
Grant - Xmas Tree Competition	300.00
	180,963.95

FOREST LAND ENVIRONMENTAL MANAGEMENT	
Contract Services	106,052.21
ENFOR FUEL WOOD PROJECT	
Salaries & Wages	8,636.88
Travel	522.67
Field Equipment	1,631.90
Field Supplies	528.87
Repairs & Maintenance	74.69
	11,395.01
DISADVANTAGED YOUTH PROGRAM	
Salaries & Wages	102,161.92
Owned Vehicle Costs	1,580.13
Leased Vehicle Costs	12,908.39
Equipment Rental	20,120.54
	136,770.98
FORESTRY WINTER PROJECTS	
Salaries & Wages	121,924.21
Travel	4,711.31
Field Supplies	3,742.84
Fuel	2,023.15
Repairs & Maintenance	586.76
Equipment Rentals	22,569.25
Miscellaneous	538.00
	156,095.52
TOTAL FORESTRY	3,055,742.47

Department Of Agriculture & Forestry Acts

Agricultural Chemicals Act

Agricultural Products Marketing Act

Agricultural Rehabilitation & Development (Prince Edward Island) Act

Agrologist Act

Apiary Inspection Act

Artificial Insemination Act

Bang's Disease Eradication Act

Crop Insurance Act

Dairy Products Act

Division Fence Act

Dog Act

Domestic Animals Act

Farm Implement Act
Field-Root Seeds Zoning Act

Forestry Act

Grain Elevators Act

Horned Cattle Purchases Act

Land Development Corporation Act

Livestock Branding or Tatooing Act

Livestock Community Auction Sales Act

Margarine Act

Marketing Act

Milk Act

Mink Protection Act

Natural Products Marketing Act

Plant Disease Eradication Act

Potato Crop Mortgage Act

Potato Production Act

Poultry and Poultry Products Act

Race Horse Inspection Act

Standards of Agricultural Products, An Act Respecting

Veterinary Assistance Act

Veterinary Profession Act

Weed Control Act

Women's Institute Act